CASE IH SPRAYER EQUIPMENT

NOZZLES • BOOM COMPONENTS • VALVES & MANIFOLDS • PRECISION SPRAYING SYSTEMS



2018 EDITION

CASE IH AGRICULTURE

Download the Mobile Apps for the Up-To-Date Product Offering.

TeeJet® SpraySelect Mobile App

The free SpraySelect app allows you to quickly and easily choose the proper tip for your application. Just enter speed, spacing and your target rate, select your droplet size category and a list of tip recommendations is provided.

Scan QR to Download

Apple®

Android™

Wilger Tip Wizard Mobile App

Tip Wizard is available on the wilger.net website as well as a free smartphone app. Just enter your application details, and it will show you which tips you can use with information down to the nearest micron.

Scan QR to Download

Apple®

Android™

Table of Contents

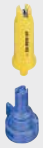
	HERBICIDES			FUNGICIDES		INSECTICIDES		DRIFT MANAGE-MENT	PWM NOZZLE CONTROL
	SOIL APPLIED	POST-EMERGENCE							
		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC	CONTACT	SYSTEMIC		
 *Turbo TeeJet*® Reference page 28		VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	EXCELLENT
 *Turbo TeeJet*® *at pressures below 30 PSI (2.0 bar)* Reference page 28	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	VERY GOOD	EXCELLENT
 *Turbo TwinJet*® Reference page 37	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	VERY GOOD	EXCELLENT
 *Turbo TwinJet*® *at pressures below 30 PSI (2.0 bar)* Reference page 37	VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	EXCELLENT	EXCELLENT
 *Turbo TeeJet*® *Induction* Reference page 32	EXCELLENT		EXCELLENT		EXCELLENT		EXCELLENT	EXCELLENT	
 *Air Induction Turbo TwinJet*® Reference page 38	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	
 *XR, XRC TeeJet*® Reference pages 33-34		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	GOOD	EXCELLENT
 *XR, XRC TeeJet*® *at pressures below 30 PSI (2.0 bar)* Reference pages 33-34	GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT
 *AIXR TeeJet*® Reference page 29	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	
 *AI, AIC TeeJet*® Reference pages 30-31	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	
 *DG TwinJet*® Reference page 40	VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	GOOD
 *Turbo FloodJet*® Reference page 41	EXCELLENT		VERY GOOD		VERY GOOD		VERY GOOD	EXCELLENT	
 *TurfJet*® Reference page 44	EXCELLENT		EXCELLENT		EXCELLENT		EXCELLENT	EXCELLENT	
 *QCTF Turbo FloodJet*® Reference page 42	EXCELLENT							EXCELLENT	

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.

			HERBICIDES			FUNGICIDES		INSECTICIDES	
			PRE-EMERGENCE	POST-EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
				CONTACT	SYSTEMIC				
BANDING		*AI TeeJet*® EVEN Reference page 51	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
		*TeeJet*® EVEN Reference page 53	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD
		*TwinJet*® EVEN Reference page 54		EXCELLENT		EXCELLENT		EXCELLENT	
DIRECTED SPRAYING		*AI TeeJet*® EVEN Reference page 51	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
		*TeeJet*® EVEN Reference page 53	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
		*TwinJet*® EVEN Reference page 54		VERY GOOD		VERY GOOD		VERY GOOD	
		*AIUB TeeJet*® Reference page 55		GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
		*AITX ConeJet*® Reference page 60		GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
		*ConeJet*® Reference pages 57-58		EXCELLENT		EXCELLENT		EXCELLENT	
AIR BLAST		*ConeJet*® Reference pages 59–61		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
		*Disc-Core* Reference pages 62-63		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.

TEEJET® — LIQUID FERTILIZER NOZZLE SELECTION GUIDE

	BROADCAST	DIRECTED
 *StreamJet* (7-ORIFICE) Reference page 65	EXCELLENT	VERY GOOD
 *StreamJet* (3-ORIFICE) Reference page 64	VERY GOOD	EXCELLENT
 *StreamJet* (SINGLE-ORIFICE) Reference page 68		EXCELLENT
 CP4916 (ORIFICE PLATE) Reference page 66		EXCELLENT
 *TP TeeJet* (LARGE CAPACITY) Reference page 35	VERY GOOD	
 *AI TeeJet* *AIC TeeJet* (LOW VOLUME) Reference pages 30–31	VERY GOOD	
 *AIUB TeeJet* (LOW VOLUME) Reference page 55		VERY GOOD
 *Turbo TeeJet Induction* Reference page 32	EXCELLENT	
 *Turbo FloodJet* Reference page 41	EXCELLENT	
 *QCTF Turbo FloodJet* Reference page 42	EXCELLENT	

LIQUID FERTILIZER APPLICATION

Just as in applying crop protection products, the proper application of liquid fertilizer is important. Delivering nutrients to the crop in a timely and effective manner while minimizing crop damage is essential. TeeJet Technologies offers an extensive selection of nozzles specifically designed to maximize the performance of your liquid fertilizer application.

Solid stream nozzles, offered in both single- and multiple-stream versions, are designed to deliver fertilizer to the soil surface where it can be effectively utilized by the crop. By creating solid liquid streams, these nozzles greatly reduce foliar coverage in standing crop in order to minimize leaf burn. TeeJet Technologies StreamJet nozzles provide the ideal blend of compact, reliable design, ease of installation and affordable pricing.

In some cases, the use of a broadcast nozzle for fertilizer application may be desirable. This could include combined fertilizer/pesticide applications, foliar feeding or broadcast liquid fertilization of bare ground. For these applications TeeJet Technologies offers a wide variety of low drift, flat spray nozzles.

LIQUID DENSITY CONVERSION

When selecting a specific capacity tip for liquid fertilizer application, always correct for liquid density. Application charts shown in this catalog are based on spraying water. Many fertilizer solutions are denser than water, which will affect the application rate. Please see page 11 for a list of density conversion factors.

EXAMPLE:

Desired application rate is 20 GPA of 28% Nitrogen.
Determine the correct nozzle size as follows:

GPA (liquid other than water) x Conversion Factor = GPA (from table in catalog)

20 GPA (28%) x 1.13 = 22.6 GPA (water)

The applicator should choose a nozzle size that will supply 22.6 GPA of water at the desired pressure.

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.

UNIVERSAL APPLICATION RATE CHART FOR 15" TIP SPACING

TIP CAPACITY	LIQUID PRESSURE IN PSI	CAPACITY 1 NOZZLE IN GPM	CAPACITY 1 NOZZLE IN OZ./MIN.	GALLONS PER ACRE – 15" NOZZLE SPACING											
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	22 MPH
01	15	0.061	7.8	6.0	4.8	4.0	3.5	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1
	20	0.071	9.1	7.0	5.6	4.7	4.0	3.5	2.8	2.3	2.0	1.8	1.6	1.4	1.3
	30	0.087	11	8.6	6.9	5.7	4.9	4.3	3.4	2.9	2.5	2.2	1.9	1.7	1.6
	40	0.10	13	9.9	7.9	6.6	5.7	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8
	50	0.11	14	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	60	0.12	15	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	75	0.14	18	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	90	0.15	19	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
015	15	0.092	12	9.1	7.3	6.1	5.2	4.6	3.6	3.0	2.6	2.3	2.0	1.8	1.7
	20	0.11	14	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	30	0.13	17	12.9	10.3	8.6	7.4	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3
	40	0.15	19	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
	50	0.17	22	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	60	0.18	23	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	75	0.21	27	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	90	0.23	29	23	18.2	15.2	13.0	11.4	9.1	7.6	6.5	5.7	5.1	4.6	4.1
02	15	0.12	15	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	20	0.14	18	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	30	0.17	22	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	40	0.20	26	19.8	15.8	13.2	11.3	9.9	7.9	6.6	5.7	5.0	4.4	4.0	3.6
	50	0.22	28	22	17.4	14.5	12.4	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0
	60	0.24	31	24	19.0	15.8	13.6	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3
	75	0.27	35	27	21	17.8	15.3	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9
	90	0.30	38	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
025	15	0.15	19	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
	20	0.18	23	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	30	0.22	28	22	17.4	14.5	12.4	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0
	40	0.25	32	25	19.8	16.5	14.1	12.4	9.9	8.3	7.1	6.2	5.5	5.0	4.5
	50	0.28	36	28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0
	60	0.31	40	31	25	20	17.5	15.3	12.3	10.2	8.8	7.7	6.8	6.1	5.6
	75	0.34	44	34	27	22	19.2	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1
	90	0.38	49	38	30	25	21	18.8	15.0	12.5	10.7	9.4	8.4	7.5	6.8
03	15	0.18	23	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	20	0.21	27	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	30	0.26	33	26	21	17.2	14.7	12.9	10.3	8.6	7.4	6.4	5.7	5.1	4.7
	40	0.30	38	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
	50	0.34	44	34	27	22	19.2	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1
	60	0.37	47	37	29	24	21	18.3	14.7	12.2	10.5	9.2	8.1	7.3	6.7
	75	0.41	52	41	32	27	23	20	16.2	13.5	11.6	10.1	9.0	8.1	7.4
	90	0.45	58	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
04	15	0.24	31	24	19.0	15.8	13.6	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3
	20	0.28	36	28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0
	30	0.35	45	35	28	23	19.8	17.3	13.9	11.6	9.9	8.7	7.7	6.9	6.3
	40	0.40	51	40	32	26	23	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2
	50	0.45	58	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
	60	0.49	63	49	39	32	28	24	19.4	16.2	13.9	12.1	10.8	9.7	8.8
	75	0.55	70	54	44	36	31	27	22	18.2	15.6	13.6	12.1	10.9	9.9
	90	0.60	77	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	10.8
05	15	0.31	40	31	25	20	17.5	15.3	12.3	10.2	8.8	7.7	6.8	6.1	5.6
	20	0.35	45	35	28	23	19.8	17.3	13.9	11.6	9.9	8.7	7.7	6.9	6.3
	30	0.43	55	43	34	28	24	21	17.0	14.2	12.2	10.6	9.5	8.5	7.7
	40	0.50	64	50	40	33	28	25	19.8	16.5	14.1	12.4	11.0	9.9	9.0
	50	0.56	72	55	44	37	32	28	22	18.5	15.8	13.9	12.3	11.1	10.1
	60	0.61	78	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	75	0.68	87	67	54	45	38	34	27	22	19.2	16.8	15.0	13.5	12.2
	90	0.75	96	74	59	50	42	37	30	25	21	18.6	16.5	14.9	13.5
06	15	0.37	47	37	29	24	21	18.3	14.7	12.2	10.5	9.2	8.1	7.3	6.7
	20	0.42	54	42	33	28	24	21	16.6	13.9	11.9	10.4	9.2	8.3	7.6
	30	0.52	67	51	41	34	29	26	21	17.2	14.7	12.9	11.4	10.3	9.4
	40	0.60	77	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	10.8
	50	0.67	86	66	53	44	38	33	27	22	19.0	16.6	14.7	13.3	12.1
	60	0.73	93	72	58	48	41	36	29	24	21	18.1	16.1	14.5	13.1
	75	0.82	105	81	65	54	46	41	32	27	23	20	18.0	16.2	14.8
	90	0.90	115	89	71	59	51	45	36	30	25	22	19.8	17.8	16.2
08	15	0.49	63	49	39	32	28	24	19.4	16.2	13.9	12.1	10.8	9.7	8.8
	20	0.57	73	56	45	38	32	28	23	18.8	16.1	14.1	12.5	11.3	10.3
	30	0.69	88	68	55	46	39	34	27	23	19.5	17.1	15.2	13.7	12.4
	40	0.80	102	79	63	53	45	40	32	26	23	19.8	17.6	15.8	14.4
	50	0.89	114	88	70	59	50	44	35	29	25	22	19.6	17.6	16.0
	60	0.98	125	97	78	65	55	49	39	32	28	24	22	19.4	17.6
	75	1.10	141	109	87	73	62	54	44	36	31	27	24	22	19.8
	90	1.20	154	119	95	79	68	59	48	40	34	30	26	24	22
10	15	0.61	78	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	20	0.71	91	70	56	47	40	35	28	23	20	17.6	15.6	14.1	12.8
	30	0.87	111	86	69	57	49	43	34	29	25	22	19.1	17.2	15.7
	40	1.00	128	99	79	66	57	50	40	33	28	25	22	19.8	18.0
	50	1.12	143	111	89	74	63	55	44	37	32	28	25	22	20
	60	1.22	156	121	97	81	69	60	48	40	35	30	27	24	22
	75	1.37	175	136	109	90	78	68	54	45	39	34	30	27	25
	90	1.50	192	149	119	99	85	74	59	50	42	37	33	30	27
15	15	0.92	118	91	73	61	52	46	36	30	26	23	20	18.2	16.6
	20	1.06	136	105	84	70	60	52	42	35	30	26	23	21	19.1
	30	1.30	166	129	103	86	74	64	51	43	37	32	29	26	23
	40	1.50	192	149	119	99	85	74	59	50	42	37	33	30	27
	50	1.68	215	166	133	111	95	83	67	55	48	42	37	33	30
	60	1.84	236	182	146	121	104	91	73	61	52	46	40	36	33
	75	2.05	262	203	162	135	116	101	81	68	58	51	45	41	37
	90	2.25	288	223	178	149	127	111	89	74	64	56	50	45	41
20	15	1.22	156	121	97	81	69	60	48	40	35	30	27	24	22
	20	1.41	180	140	112	93	80	70	56	47	40	35	31	28	25
	30	1.73	221	171	137	114	98	86	69	57	49	43	38	34	31
	40	2.00	256	198	158	132	113	99	79	66	57	50	44	40	36
	50	2.24	287	222	177	148	127	111	89	74	63	55	49	44	40
	60	2.45	314	243	194	162	139	121	97	81	69	61	54	49	44
	75	2.74	351	271	217	181	155	136	109	90	78	68	60	54	49
	90	3.00	384	297	238	198	170	149	119	99	85	74	66	59	54

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

UNIVERSAL APPLICATION RATE CHART FOR 20" TIP SPACING

TIP CAPACITY	LIQUID PRESSURE IN PSI	CAPACITY 1 NOZZLE IN GPM	CAPACITY 1 NOZZLE IN OZ./MIN.	GALLONS PER ACRE – 20" NOZZLE SPACING											
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	22 MPH
01	15	0.061	7.8	4.5	3.6	3.0	2.6	2.3	1.8	1.5	1.3	1.1	1.0	0.91	0.82
	20	0.071	9.1	5.3	4.2	3.5	3.0	2.6	2.1	1.8	1.5	1.3	1.2	1.1	0.96
	30	0.087	11	6.5	5.2	4.3	3.7	3.2	2.6	2.2	1.8	1.6	1.4	1.3	1.2
	40	0.10	13	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4
	50	0.11	14	8.2	6.5	5.4	4.7	4.1	3.3	2.7	2.3	2.0	1.8	1.6	1.5
	60	0.12	15	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	75	0.14	18	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9
	90	0.15	19	11.1	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	2.0
015	15	0.092	12	6.8	5.5	4.6	3.9	3.4	2.7	2.3	2.0	1.7	1.5	1.4	1.2
	20	0.11	14	8.2	6.5	5.4	4.7	4.1	3.3	2.7	2.3	2.0	1.8	1.6	1.5
	30	0.13	17	9.7	7.7	6.4	5.5	4.8	3.9	3.2	2.8	2.4	2.1	1.9	1.8
	40	0.15	19	11.1	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	2.0
	50	0.17	22	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3
	60	0.18	23	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4
	75	0.21	27	15.6	12.5	10.4	8.9	7.8	6.2	5.2	4.5	3.9	3.5	3.1	2.8
	90	0.23	29	17.1	13.7	11.4	9.8	8.5	6.8	5.7	4.9	4.3	3.8	3.4	3.1
02	15	0.12	15	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	20	0.14	18	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9
	30	0.17	22	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3
	40	0.20	26	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
	50	0.22	28	16.3	13.1	10.9	9.3	8.2	6.5	5.4	4.7	4.1	3.6	3.3	3.0
	60	0.24	31	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	75	0.27	35	20	16.0	13.4	11.5	10.0	8.0	6.7	5.7	5.0	4.5	4.0	3.6
	90	0.30	38	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1
025	15	0.15	19	11.1	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	2.0
	20	0.18	23	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4
	30	0.22	28	16.3	13.1	10.9	9.3	8.2	6.5	5.4	4.7	4.1	3.6	3.3	3.0
	40	0.25	32	18.6	14.9	12.4	10.6	9.3	7.4	6.2	5.3	4.6	4.1	3.7	3.4
	50	0.28	36	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	60	0.31	40	23	18.4	15.3	13.2	11.5	9.2	7.7	6.6	5.8	5.1	4.6	4.2
	75	0.34	44	25	20	16.8	14.4	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6
	90	0.38	49	28	23	18.8	16.1	14.1	11.3	9.4	8.1	7.1	6.3	5.6	5.1
03	15	0.18	23	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4
	20	0.21	27	15.6	12.5	10.4	8.9	7.8	6.2	5.2	4.5	3.9	3.5	3.1	2.8
	30	0.26	33	19.3	15.4	12.9	11.0	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.5
	40	0.30	38	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1
	50	0.34	44	25	20	16.8	14.4	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6
	60	0.37	47	27	22	18.3	15.7	13.7	11.0	9.2	7.8	6.9	6.1	5.5	5.0
	75	0.41	52	30	24	20	17.4	15.2	12.2	10.1	8.7	7.6	6.8	6.1	5.5
	90	0.45	58	33	27	22	19.1	16.7	13.4	11.1	9.5	8.4	7.4	6.7	6.1
04	15	0.24	31	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	20	0.28	36	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	30	0.35	45	26	21	17.3	14.9	13.0	10.4	8.7	7.4	6.5	5.8	5.2	4.7
	40	0.40	51	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
	50	0.45	58	33	27	22	19.1	16.7	13.4	11.1	9.5	8.4	7.4	6.7	6.1
	60	0.49	63	36	29	24	21	18.2	14.6	12.1	10.4	9.1	8.1	7.3	6.6
	75	0.55	70	41	33	27	23	20	16.3	13.6	11.7	10.2	9.1	8.2	7.4
	90	0.60	77	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
05	15	0.31	40	23	18.4	15.3	13.2	11.5	9.2	7.7	6.6	5.8	5.1	4.6	4.2
	20	0.35	45	26	21	17.3	14.9	13.0	10.4	8.7	7.4	6.5	5.8	5.2	4.7
	30	0.43	55	32	26	21	18.2	16.0	12.8	10.6	9.1	8.0	7.1	6.4	5.8
	40	0.50	64	37	30	25	21	18.6	14.9	12.4	10.6	9.3	8.3	7.4	6.8
	50	0.56	72	42	33	28	24	21	16.6	13.9	11.9	10.4	9.2	8.3	7.6
	60	0.61	78	45	36	30	26	23	18.1	15.1	12.9	11.3	10.1	9.1	8.2
	75	0.68	87	50	40	34	29	25	20	16.8	14.4	12.6	11.2	10.1	9.2
	90	0.75	96	56	45	37	32	28	22	18.6	15.9	13.9	12.4	11.1	10.1
06	15	0.37	47	27	22	18.3	15.7	13.7	11.0	9.2	7.8	6.9	6.1	5.5	5.0
	20	0.42	54	31	25	21	17.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.7
	30	0.52	67	39	31	26	22	19.3	15.4	12.9	11.0	9.7	8.6	7.7	7.0
	40	0.60	77	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
	50	0.67	86	50	40	33	28	25	19.9	16.6	14.2	12.4	11.1	9.9	9.0
	60	0.73	93	54	43	36	31	27	22	18.1	15.5	13.6	12.0	10.8	9.9
	75	0.82	105	61	49	41	35	30	24	20	17.4	15.2	13.5	12.2	11.1
	90	0.90	115	67	53	45	38	33	27	22	19.1	16.7	14.9	13.4	12.2
08	15	0.49	63	36	29	24	21	18.2	14.6	12.1	10.4	9.1	8.1	7.3	6.6
	20	0.57	73	42	34	28	24	21	16.9	14.1	12.1	10.6	9.4	8.5	7.7
	30	0.69	88	51	41	34	29	26	20	17.1	14.6	12.8	11.4	10.2	9.3
	40	0.80	102	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	10.8
	50	0.89	114	66	53	44	38	33	26	22	18.9	16.5	14.7	13.2	12.0
	60	0.98	125	73	58	49	42	36	29	24	21	18.2	16.2	14.6	13.2
	75	1.10	141	82	65	54	47	41	33	27	23	20	18.2	16.3	14.9
	90	1.20	154	89	71	59	51	45	36	30	25	22	19.8	17.8	16.2
10	15	0.61	78	45	36	30	26	23	18.1	15.1	12.9	11.3	10.1	9.1	8.2
	20	0.71	91	53	42	35	30	26	21	17.6	15.1	13.2	11.7	10.5	9.6
	30	0.87	111	65	52	43	37	32	26	22	18.5	16.1	14.4	12.9	11.7
	40	1.00	128	74	59	50	42	37	30	25	21	18.6	16.5	14.9	13.5
	50	1.12	143	83	67	55	48	42	33	28	24	21	18.5	16.6	15.1
	60	1.22	156	91	72	60	52	45	36	30	26	23	20	18.1	16.5
	75	1.37	175	102	81	68	58	51	41	34	29	25	23	20	18.5
	90	1.50	192	111	89	74	64	56	45	37	32	28	25	22	20
15	15	0.92	118	68	55	46	39	34	27	23	19.5	17.1	15.2	13.7	12.4
	20	1.06	136	79	63	52	45	39	31	26	22	19.7	17.5	15.7	14.3
	30	1.30	166	97	77	64	55	48	39	32	28	24	21	19.3	17.6
	40	1.50	192	111	89	74	64	56	45	37	32	28	25	22	20
	50	1.68	215	125	100	83	71	62	50	42	36	31	28	25	23
	60	1.84	236	137	109	91	78	68	55	46	39	34	30	27	25
	75	2.05	262	152	122	101	87	76	61	51	43	38	34	30	28
	90	2.25	288	167	134	111	95	84	67	56	48	42	37	33	30
20	15	1.22	156	91	72	60	52	45	36	30	26	23	20	18.1	16.5
	20	1.41	180	105	84	70	60	52	42	35	30	26	23	21	19.0
	30	1.73	221	128	103	86	73	64	51	43	37	32	29	26	23
	40	2.00	256	149	119	99	85	74	59	50	42	37	33	30	27
	50	2.24	287	166	133	111	95	83	67	55	48	42	37	33	30
	60	2.45	314	182	146	121	104	91	73	61	52	45	40	36	33
	75	2.74	351	203	163	136	116	102	81	68	58	51	45	41	37
	90	3.00	384	223	178	149	127	111	89	74	64	56	50	45	41

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

UNIVERSAL APPLICATION RATE CHART FOR 30" TIP SPACING

TIP CAPACITY	LIQUID PRESSURE IN PSI	CAPACITY 1 NOZZLE IN GPM	CAPACITY 1 NOZZLE IN OZ./MIN.	GALLONS PER ACRE – 30" NOZZLE SPACING											
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	22 MPH
01	15	0.061	7.8	3.0	2.4	2.0	1.7	1.5	1.2	1.0	0.86	0.75	0.67	0.60	0.55
	20	0.071	9.1	3.5	2.8	2.3	2.0	1.8	1.4	1.2	1.0	0.88	0.78	0.70	0.64
	30	0.087	11	4.3	3.4	2.9	2.5	2.2	1.7	1.4	1.2	1.1	0.96	0.86	0.78
	40	0.10	13	5.0	4.0	3.3	2.8	2.5	2.0	1.7	1.4	1.2	1.1	0.99	0.90
	50	0.11	14	5.4	4.4	3.6	3.1	2.7	2.2	1.8	1.6	1.4	1.2	1.1	0.99
	60	0.12	15	5.9	4.8	4.0	3.4	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1
	75	0.14	18	6.9	5.5	4.6	4.0	3.5	2.8	2.3	2.0	1.7	1.5	1.4	1.3
	90	0.15	19	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4
015	15	0.092	12	4.6	3.6	3.0	2.6	2.3	1.8	1.5	1.3	1.1	1.0	0.91	0.83
	20	0.11	14	5.4	4.4	3.6	3.1	2.7	2.2	1.8	1.6	1.4	1.2	1.1	0.99
	30	0.13	17	6.4	5.1	4.3	3.7	3.2	2.6	2.1	1.8	1.6	1.4	1.3	1.2
	40	0.15	19	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4
	50	0.17	22	8.4	6.7	5.6	4.8	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5
	60	0.18	23	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	75	0.21	27	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9
	90	0.23	29	11.4	9.1	7.6	6.5	5.7	4.6	3.8	3.3	2.8	2.5	2.3	2.1
02	15	0.12	15	5.9	4.8	4.0	3.4	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1
	20	0.14	18	6.9	5.5	4.6	4.0	3.5	2.8	2.3	2.0	1.7	1.5	1.4	1.3
	30	0.17	22	8.4	6.7	5.6	4.8	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5
	40	0.20	26	9.9	7.9	6.6	5.7	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8
	50	0.22	28	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	60	0.24	31	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	75	0.27	35	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4
	90	0.30	38	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
025	15	0.15	19	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4
	20	0.18	23	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	30	0.22	28	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	40	0.25	32	12.4	9.9	8.3	7.1	6.2	5.0	4.1	3.5	3.1	2.8	2.5	2.3
	50	0.28	36	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	60	0.31	40	15.3	12.3	10.2	8.8	7.7	6.1	5.1	4.4	3.8	3.4	3.1	2.8
	75	0.34	44	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	90	0.38	49	18.8	15.0	12.5	10.7	9.4	7.5	6.3	5.4	4.7	4.2	3.8	3.4
03	15	0.18	23	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	20	0.21	27	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9
	30	0.26	33	12.9	10.3	8.6	7.4	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3
	40	0.30	38	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
	50	0.34	44	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	60	0.37	47	18.3	14.7	12.2	10.5	9.2	7.3	6.1	5.2	4.6	4.1	3.7	3.3
	75	0.41	52	20	16.2	13.5	11.6	10.1	8.1	6.8	5.8	5.1	4.5	4.1	3.7
	90	0.45	58	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1
04	15	0.24	31	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	20	0.28	36	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	30	0.35	45	17.3	13.9	11.6	9.9	8.7	6.9	5.8	5.0	4.3	3.9	3.5	3.2
	40	0.40	51	19.8	15.8	13.2	11.3	9.9	7.9	6.6	5.7	5.0	4.4	4.0	3.6
	50	0.45	58	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1
	60	0.49	63	24	19.4	16.2	13.9	12.1	9.7	8.1	6.9	6.1	5.4	4.9	4.4
	75	0.55	70	27	22	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.4	5.0
	90	0.60	77	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
05	15	0.31	40	15.3	12.3	10.2	8.8	7.7	6.1	5.1	4.4	3.8	3.4	3.1	2.8
	20	0.35	45	17.3	13.9	11.6	9.9	8.7	6.9	5.8	5.0	4.3	3.9	3.5	3.2
	30	0.43	55	21	17.0	14.2	12.2	10.6	8.5	7.1	6.1	5.3	4.7	4.3	3.9
	40	0.50	64	25	19.8	16.5	14.1	12.4	9.9	8.3	7.1	6.2	5.5	5.0	4.5
	50	0.56	72	28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0
	60	0.61	78	30	24	20	17.3	15.1	12.1	10.1	8.6	7.5	6.7	6.0	5.5
	75	0.68	87	34	27	22	19.2	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1
	90	0.75	96	37	30	25	21	18.6	14.9	12.4	10.6	9.3	8.3	7.4	6.8
06	15	0.37	47	18.3	14.7	12.2	10.5	9.2	7.3	6.1	5.2	4.6	4.1	3.7	3.3
	20	0.42	54	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	30	0.52	67	26	21	17.2	14.7	12.9	10.3	8.6	7.4	6.4	5.7	5.1	4.7
	40	0.60	77	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
	50	0.67	86	33	27	22	19.0	16.6	13.3	11.1	9.5	8.3	7.4	6.6	6.0
	60	0.73	93	36	29	24	21	18.1	14.5	12.0	10.3	9.0	8.0	7.2	6.6
	75	0.82	105	41	32	27	23	20	16.2	13.5	11.6	10.1	9.0	8.1	7.4
	90	0.90	115	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
08	15	0.49	63	24	19.4	16.2	13.9	12.1	9.7	8.1	6.9	6.1	5.4	4.9	4.4
	20	0.57	73	28	23	18.8	16.1	14.1	11.3	9.4	8.1	7.1	6.3	5.6	5.1
	30	0.69	88	34	27	23	19.5	17.1	13.7	11.4	9.8	8.5	7.6	6.8	6.2
	40	0.80	102	40	32	26	23	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2
	50	0.89	114	44	35	29	25	22	17.6	14.7	12.6	11.0	9.8	8.8	8.0
	60	0.98	125	49	39	32	28	24	19.4	16.2	13.9	12.1	10.8	9.7	8.8
	75	1.10	141	54	44	36	31	27	22	18.2	15.6	13.6	12.1	10.9	9.9
	90	1.20	154	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	10.8
10	15	0.61	78	30	24	20	17.3	15.1	12.1	10.1	8.6	7.5	6.7	6.0	5.5
	20	0.71	91	35	28	23	20	17.6	14.1	11.7	10.0	8.8	7.8	7.0	6.4
	30	0.87	111	43	34	29	25	22	17.2	14.4	12.3	10.8	9.6	8.6	7.8
	40	1.00	128	50	40	33	28	25	19.8	16.5	14.1	12.4	11.0	9.9	9.0
	50	1.12	143	55	44	37	32	28	22	18.5	15.8	13.9	12.3	11.1	10.1
	60	1.22	156	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	75	1.37	175	68	54	45	39	34	27	23	19.4	17.0	15.1	13.6	12.3
	90	1.50	192	74	59	50	42	37	30	25	21	18.6	16.5	14.9	13.5
15	15	0.92	118	46	36	30	26	23	18.2	15.2	13.0	11.4	10.1	9.1	8.3
	20	1.06	136	52	42	35	30	26	21	17.5	15.0	13.1	11.7	10.5	9.5
	30	1.30	166	64	51	43	37	32	26	21	18.4	16.1	14.3	12.9	11.7
	40	1.50	192	74	59	50	42	37	30	25	21	18.6	16.5	14.9	13.5
	50	1.68	215	83	67	55	48	42	33	28	24	21	18.5	16.6	15.1
	60	1.84	236	91	73	61	52	46	36	30	26	23	20	18.2	16.6
	75	2.05	262	101	81	68	58	51	41	34	29	25	23	20	18.5
	90	2.25	288	111	89	74	64	56	45	37	32	28	25	22	20
20	15	1.22	156	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	20	1.41	180	70	56	47	40	35	28	23	19.9	17.4	15.5	14.0	12.7
	30	1.73	221	86	69	57	49	43	34	29	24	21	19.0	17.1	15.6
	40	2.00	256	99	79	66	57	50	40	33	28	25	22	19.8	18.0
	50	2.24	287	111	89	74	63	55	44	37	32	28	25	22	20
	60	2.45	314	121	97	81	69	61	49	40	35	30	27	24	22
	75	2.74	351	136	109	90	78	68	54	45	39	34	30	27	25
	90	3.00	384	149	119	99	85	74	59	50	42	37	33	30	27

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

Useful Formulas

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5{,}940}$$

$$\text{GPM (Per Nozzle)} = \frac{\text{GAL/1000FT}^2 \times \text{MPH} \times \text{W}}{136}$$

$$\text{GPA} = \frac{5{,}940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

$$\text{GAL/1000FT}^2 = \frac{136 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

GPM – Gallons Per Minute

GPA – Gallons Per Acre

GAL/1000FT² – Gallons Per 1000 Square Feet

MPH – Miles Per Hour

W – Nozzle spacing (in inches) for broadcast spraying

– Spray width (in inches) for single nozzle, band spraying or boomless spraying

– Row spacing (in inches) divided by the number of nozzles per row for directed spraying

USEFUL FORMULAS FOR ROADWAY APPLICATIONS

$$\text{GPLM} = \frac{60 \times \text{GPM}}{\text{MPH}} \qquad \text{GPM} = \frac{\text{GPLM} \times \text{MPH}}{60}$$

GPLM = Gallons Per Lane Mile

Note: GPLM is not a normal volume per unit area measurement. It is a volume per distance measurement. Increases or decreases in lane width (swath width) are not accommodated by these formulas.

MEASURING TRAVEL SPEED

Measure a test course in the area to be sprayed or in an area with similar surface conditions. Minimum lengths of 100 and 200 feet are recommended for measuring speeds up to 5 and 10 MPH, respectively. Determine the time required to travel the test course. To help ensure accuracy, conduct the speed check with a partially loaded (about half full) sprayer and select the engine throttle setting and gear that will be used when spraying. Repeat the above process and average the times that were measured. Use the following equation or the table at right to determine ground speed.

$$\text{Speed (MPH)} = \frac{\text{Distance (FT)} \times 60}{\text{Time (seconds)} \times 88}$$

SPEEDS

SPEED IN MPH	TIME REQUIRED IN SECONDS TO TRAVEL A DISTANCE OF:		
	100 Feet	200 Feet	300 Feet
1.0	68	136	205
1.5	45	91	136
2.0	34	68	102
2.5	27	55	82
3.0	23	45	68
3.5	19	39	58
4.0	17	34	51
4.5	15	30	45
5.0	14	27	41
5.5	—	25	37
6.0	—	23	34
6.5	—	21	31
7.0	—	19	29
7.5	—	18	27
8.0	—	17	26
8.5	—	16	24
9.0	—	15	23

NOZZLE SPACING

If the nozzle spacing on your boom is different than those tabulated, multiply the tabulated GPA coverages by one of the following factors.

20"

OTHER SPACING (INCHES)	CONVERSION FACTOR
8	2.5
10	2
12	1.67
14	1.43
16	1.25
18	1.11
22	.91
24	.83
30	.66

30"

OTHER SPACING (INCHES)	CONVERSION FACTOR
26	1.15
28	1.07
32	.94
34	.88
36	.83
38	.79
40	.75
42	.71
44	.68

40"

OTHER SPACING (INCHES)	CONVERSION FACTOR
28	1.43
30	1.33
32	1.25
34	1.18
36	1.11
38	1.05
42	.95
44	.91
48	.83

Miscellaneous Conversion Factors

One Acre = 43,560 Square Feet
= 43.56 1000FT² Blocks
= 0.405 Hectare

One Hectare = 2.471 Acres

One Gallon Per Acre
= 2.9 Fluid Ounces per 1000FT²
= 9.35 Liters Per Hectare

One Gallon Per 1000FT² = 43.56 GPA

One Mile = 5,280 Feet
= 1,610 Meters
= 1.61 Kilometers

One Gallon = 128 Fluid Ounces
= 8 Pints
= 4 Quarts
= 3.79 Liters
= 0.83 Imperial Gallon

One Pound Per Square Inch
= 0.069 bar
= 6.896 Kilopascals

One Mile Per Hour = 1.609 Kilometers Per Hour

SUGGESTED MINIMUM SPRAY HEIGHTS

The nozzle height suggestions in the table below are based on the minimum overlap required to obtain uniform distribution. However, in many cases, typical height adjustments are based on a 1 to 1 nozzle spacing to height ratio. For example, 110° flat spray tips spaced 20 inches apart are commonly set 20 inches above the target.

	(Inches)			
		20"	30"	40"
TP, TJ	65°	22–24"	33–35"	NR*
TP, XR, TX, DG, TJ, AI, XRC	80°	17–19"	26–28"	NR*
TP, XR, DG, TT, TTI, TJ, DGTJ, AI, AIXR, AIC, XRC, TTJ, AITTJ	110°	16–18"	20–22"	NR*
FullJet®	120°	10–18"**	14–18"**	14–18"**
FloodJet® TK, TF, K, QCK, QCTF, 1/4TTJ	120°	14–16"***	15–17"***	18–20"***

* Not recommended.

** Nozzle height based on 30° to 45° angle of orientation.

*** Wide angle spray tip height is influenced by nozzle orientation. The critical factor is to achieve a double spray pattern overlap.

SPRAYING LIQUIDS WITH A DENSITY OTHER THAN WATER

Since all the tabulations in this catalog are based on spraying water, which weighs 8.34 lbs. per USA gallon, conversion factors must be used when spraying liquids that are heavier or lighter than water. To determine the proper size nozzle for the liquid to be sprayed, first multiply the desired GPM or GPA of liquid by the water rate conversion factor. Then use the new converted GPM or GPA rate to select the proper size nozzle.

Example:

Desired application rate is 20 GPA of 28%N. Determine the correct nozzle size as follows:

GPA (liquid other than water) x Conversion Factor
= GPA (from table in catalog)

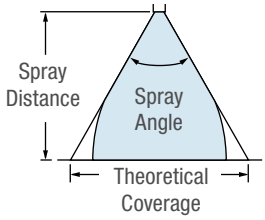
20 GPA (28%) x 1.13
= 22.6 GPA (water)

The applicator should choose a nozzle size that will supply 22.6 GPA of water at the desired pressure.

WEIGHT OF SOLUTION	SPECIFIC GRAVITY	CONVERSION FACTOR
7.0 lbs./gal.	.84	.92
8.0 lbs./gal.	.96	.98
8.34 lbs./gal.	1.00–WATER	1.00
9.0 lbs./gal.	1.08	1.04
10.0 lbs./gal.	1.20	1.10
10.65 lbs./gal.	1.28–28% nitrogen	1.13
11.0 lbs./gal.	1.32	1.15
12.0 lbs./gal.	1.44	1.20
14.0 lbs./gal.	1.68	1.30

SPRAY COVERAGE INFORMATION

This table lists the theoretical coverage of spray patterns as calculated from the included spray angle of the spray and the distance from the nozzle orifice. These values are based on the assumption that the spray angle remains the same throughout the entire spray distance. In actual practice, the tabulated spray angle does not hold for long spray distances.

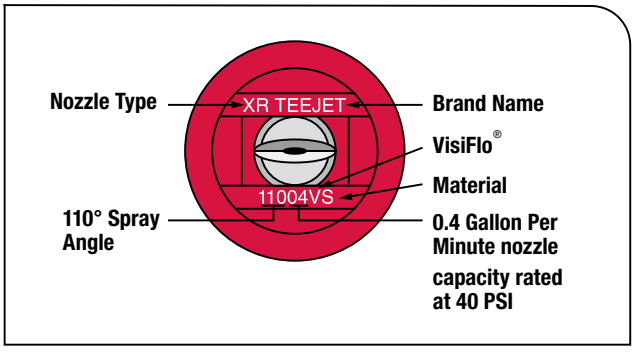


INCLUDED SPRAY ANGLE	THEORETICAL COVERAGE AT VARIOUS SPRAY HEIGHTS (IN INCHES)							
	8"	10"	12"	15"	18"	24"	30"	36"
15°	2.1	2.6	3.2	3.9	4.7	6.3	7.9	9.5
20°	2.8	3.5	4.2	5.3	6.4	8.5	10.6	12.7
25°	3.5	4.4	5.3	6.6	8.0	10.6	13.3	15.9
30°	4.3	5.4	6.4	8.1	9.7	12.8	16.1	19.3
35°	5.0	6.3	7.6	9.5	11.3	15.5	18.9	22.7
40°	5.8	7.3	8.7	10.9	13.1	17.5	21.8	26.2
45°	6.6	8.3	9.9	12.4	14.9	19.9	24.8	29.8
50°	7.5	9.3	11.2	14.0	16.8	22.4	28.0	33.6
55°	8.3	10.3	12.5	15.6	18.7	25.0	31.2	37.5
60°	9.2	11.5	13.8	17.3	20.6	27.7	34.6	41.6
65°	10.2	12.7	15.3	19.2	22.9	30.5	38.2	45.8
73°	11.8	14.8	17.8	22.0	27.0	36.0	44.0	53.0
80°	13.4	16.8	20.2	25.2	30.3	40.3	50.4	60.4
85°	14.7	18.3	22.0	27.5	33.0	44.0	55.4	66.4
90°	16.0	20.0	24.0	30.0	36.0	48.0	60.0	72.0
95°	17.5	21.8	26.2	32.8	40.3	52.4	65.5	78.6
100°	19.1	23.8	28.6	35.8	43.0	57.2	71.6	85.9
110°	22.8	28.5	34.3	42.8	51.4	68.5	85.6	103
120°	27.7	34.6	41.6	52.0	62.4	83.2	104	
130°	34.3	42.9	51.5	64.4	77.3	103		
140°	43.8	54.8	65.7	82.2	98.6			
150°	59.6	74.5	89.5					

NOZZLE NOMENCLATURE

There are many types of nozzles available, with each providing different flow rates, spray angles, droplet sizes and patterns. Some of these spray tip characteristics are indicated by the tip number.

Remember, when replacing tips, be sure to purchase the same tip number, thereby ensuring your sprayer remains properly calibrated.



INFORMATION ABOUT SPRAY PRESSURE

FLOW RATE

Nozzle flow rate varies with spraying pressure. In general, the relationship between GPM and pressure is as follows:

$$\frac{GPM_1}{GPM_2} = \frac{\sqrt{PSI_1}}{\sqrt{PSI_2}}$$

This equation is explained by the illustration to the right. Simply stated, in order to double the flow through a nozzle, the pressure must be increased four times.

Higher pressure not only increases the flow rate through a nozzle, but it also influences the droplet size and the rate of orifice wear. As pressure is increased, the droplet size decreases and the rate of orifice wear increases.

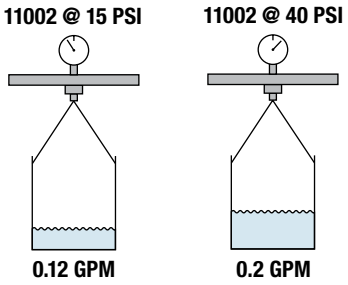
The values given in the tabulation sections of this catalog indicate the most commonly used pressure ranges for the associated spray tips. When information on the performance of spray tips outside of the pressure range given in this catalog is required, contact TeeJet Technologies or your local rep.

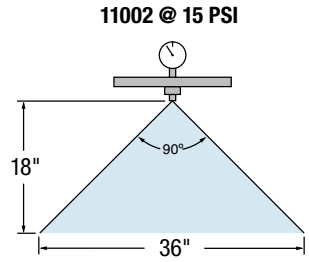
SPRAY ANGLE AND COVERAGE

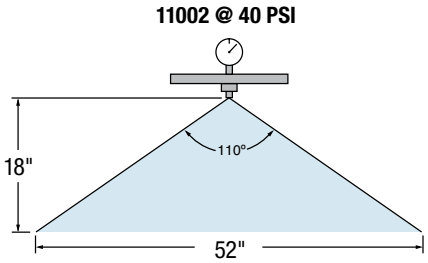
Depending on the nozzle type and size, the operating pressure can have a significant effect on spray angle and quality of spray distribution. As shown here for an 11002 flat spray tip, lowering the pressure results in a smaller spray angle and a significant reduction in spray coverage.

Tabulations for spray tips in this catalog are based on spraying water. Generally, liquids more viscous than water produce relatively smaller spray angles, while liquids with surface tensions lower than water will produce wider spray angles. In situations where the uniformity of spray distribution is important, be careful to operate your spray tips within the proper pressure range.

Note: Suggested minimum spray heights for broadcast spraying are based upon nozzles spraying water at the rated spray angle.







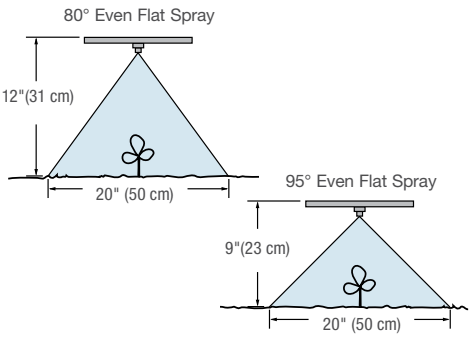
PRESSURE DROP THROUGH VARIOUS HOSE SIZES

FLOW IN GPM	PRESSURE DROP IN PSI (10' [3 M] LENGTH WITHOUT COUPLINGS)				
	1/4" I.D.	3/8" I.D.	1/2" I.D.	3/4" I.D.	1" I.D.
0.5	1.4	.2			
1.0		.7			
1.5		1.4	.4		
2.0		2.4	.6		
2.5		3.4	.9		
3.0			1.2		
4.0			2.0		
5.0			2.9	.4	
6.0			4.0	.6	
8.0				.9	.3
10.0				1.4	.4

HELPFUL REMINDERS FOR BAND SPRAYING

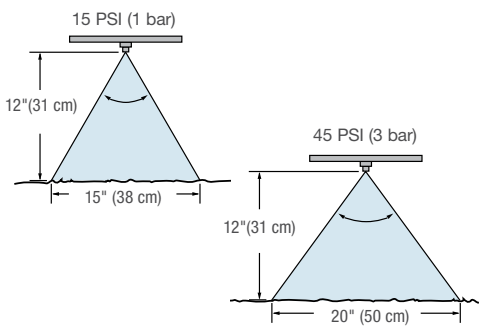
Wider angle spray tips allow the spray height to be lowered to minimize drift.

Example:



The spray angle of the nozzle and the resulting band width are directly influenced by the spraying pressure.

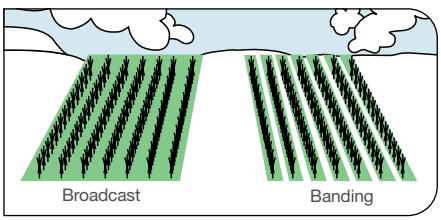
Example: 8002E Even Flat Spray



Use care when calculating:
Field Acres/Hectares vs. Treated Acres/Hectares

Field Acres/Hectares = Total Acres/Hectares of Planted Cropland

Treated Acres/Hectares = Field Acres/Hectares X $\frac{\text{Band Width}}{\text{Row Spacing}}$



PRESSURE DROP THROUGH SPRAYER COMPONENTS

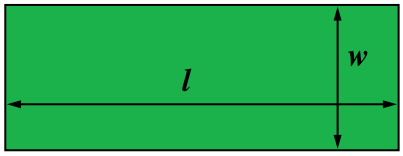
COMPONENT NUMBER	TYPICAL PRESSURE DROP (PSI) AT VARIOUS FLOW RATES (GPM)																					
	0.5 GPM	1.0 GPM	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	7.0 GPM	8.0 GPM	9.0 GPM	10 GPM	15 GPM	18 GPM	24 GPM	32 GPM	48 GPM	64 GPM	75 GPM	100 GPM	125 GPM	150 GPM	200 GPM
AA2 GunJet		0.2	0.9	2.0	3.4	5.3	7.3	10.0	13.0	16.0												
AA18 GunJet		0.6	2.2	5.0	8.3	13.0	18.4	25.0	33.0	40.0												
AA30L GunJet		0.6	2.2	5.0	9.0	14.0	20.2	27.5														
AA43 GunJet				0.4	0.6	1.0	1.5	2.0	2.6	3.3	4.1	9.2	13.2									
AA143 GunJet				0.3	0.6	0.9	1.3	1.7	2.2	2.8	3.5	7.9	11.3									
AA6B Valve				0.3	0.6	0.9	1.3	1.7	2.2	2.8	3.5	7.8	11.3	20.0								
AA17 Valve			0.2	0.5	0.8	1.3	1.8	2.5	3.2	4.1	5.0	11.3	16.2	28.8								
AA144A/144P Valve			0.2	0.5	0.8	1.3	1.8	2.5	3.2	4.1	5.0	11.3	16.2	28.8								
AA144A-1-3/AA144P-1-3 Valve			0.3	0.7	1.3	2.0	2.8	3.8	5.0	6.3	7.8	17.6	25.3									
AA145H Valve				0.2	0.4	0.6	0.8	1.1	1.4	1.8	2.2	5.0	7.2	12.8	22.8							
344 2-way Valve								0.2	0.3	0.4	0.5	1.1	1.6	2.8	5.0	11.3	20.0	27.5				
344 3-way Valve						0.2	0.3	0.4	0.6	0.7	0.9	2.0	2.8	5.0	8.9	20.0	35.6					
346 2-way Valve												0.1	0.2	0.3	0.5	1.2	2.0	2.8	5.0	7.8	11.3	20.0
346 3-way Valve												0.3	0.4	0.7	1.3	2.8	5.0	6.9	12.2	19.1	27.5	
356 Valve												0.1	0.2	0.3	0.5	1.2	2.0	2.8	5.0	7.8	11.3	20.0
430 2-way* Manifold			0.1	0.3	0.6	0.9	1.3	1.8	2.3	3.0	3.7	8.2	11.8	21.0								
430 3-way* Manifold			0.1	0.3	0.6	0.9	1.3	1.8	2.3	3.0	3.7	8.2	11.8	21.0								
430 FB* Manifold			0.2	0.5	0.9	1.5	2.1	2.9	3.8	4.8	5.9	13.3	19.1									
440* Manifold						0.2	0.3	0.4	0.5	0.6	0.7	1.7	2.4	4.3	7.6	17.0	30.3					
450* Manifold						0.1	0.2	0.2	0.3	0.4	0.5	1.1	1.6	2.8	5.0	11.3	20.0	27.5				
450 FB* Manifold						0.1	0.2	0.2	0.3	0.4	0.5	1.1	1.6	2.8	5.0	11.3	20.0	27.5				
460 2-way* Manifold						0.2	0.3	0.4	0.5	0.6	0.8	1.8	2.6	4.6	8.2	18.4	32.8					
460 3-way* Manifold						0.2	0.3	0.4	0.5	0.6	0.8	1.8	2.6	4.6	8.2	18.4	32.8					
460 FB* Manifold						0.2	0.3	0.4	0.6	0.7	0.9	2.0	2.8	5.0	8.9	20.0	35.6					
490* Manifold												0.1	0.2	0.3	0.5	1.2	2.0	2.8	5.0	7.8	11.3	20.0
540* Manifold						0.2	0.2	0.3	0.4	0.6	0.7	1.5	2.2	4.0	7.0	15.8	28.1					
QJ300 Nozzle Body	0.1	0.4	1.6	3.7	6.5	10.2	14.7	20.0														
QJ360C Nozzle Body	0.2	1.0	4.0	8.9	15.8	24.7																
QJ360E Nozzle Body	0.6	2.2	8.9	20.0	35.6																	
QJ360F Nozzle Body	0.1	0.4	1.7	3.9	6.9	10.8	15.6	21.2	27.7	35.0												
QJ380 Nozzle Body	0.1	0.6	2.2	5.0	8.9	13.9	20.0	27.2	35.6													
QJ380F Nozzle Body	0.1	0.2	1.0	2.2	4.0	6.2	8.9	12.1	15.8	20.0	24.7											
24230A/24216A Nozzle Body	0.5	2.0	7.8	17.6	31.3																	
QJ17560A Nozzle Body	0.2	1.0	4.0	8.9	15.8	24.7																
AA122-1/2 Line Strainer				0.3	0.6	0.9	1.3	1.7	2.2	2.8	3.5	7.8	11.3	20.0								
AA122-3/4 Line Strainer				0.2	0.3	0.5	0.7	1.0	1.3	1.6	2.0	4.4	6.3	11.3	20.0							
AA122-QC Line Strainer				0.1	0.2	0.4	0.6	0.8	1.0	1.3	1.5	3.5	5.0	8.9	15.8	35.6						
AA126-3 Line Strainer						0.2	0.3	0.5	0.6	0.8	0.9	2.1	3.1	5.4	9.7	21.8						
AA126-4/F50/M50 Line Strainer								0.2	0.3	0.3	0.4	0.9	1.3	2.4	4.2	9.4	16.7	23.0				
AA126-5 Line Strainer												0.3	0.5	0.8	1.5	3.3	5.9	8.1	14.4	22.4		
AA126-6/F75 Line Strainer												0.2	0.3	0.5	0.9	1.9	3.5	4.7	8.4	13.2	19.0	

*Manifold pressure drop data based on a single valve. Quantity of valves, inlet fitting size and inlet feed setup may affect pressure drop rating. Please contact your local TeeJet sale representative for additional information.

AREA MEASUREMENT

It is essential to know the amount of area that you intend to cover when applying a pesticide or fertilizer. Turf areas such as home lawns and golf course greens, tees and fairways should be measured in square feet or acres, depending upon the units needed.

RECTANGULAR AREAS



Area = Length (l) x Width (w)

Example:

What is the area of a lawn that is 300 feet long and 150 feet wide?

Area = 300 feet x 150 feet
= 45,000 square feet

By using the following equation, it is possible to determine the area in acres.

$$\text{Area in acres} = \frac{\text{Area in square feet}}{\text{43,560 sq. ft. per acre}}$$

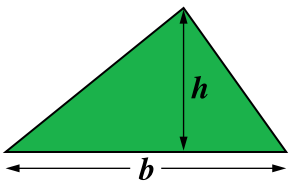
(There are 43,560 square feet in an acre.)

Example:

$$\text{Area in acres} = \frac{\text{45,000 sq. ft.}}{\text{43,560 sq. ft. per acre}}$$

$$= \text{1.03 acres}$$

TRIANGULAR AREAS



$$\text{Area} = \frac{\text{Base (b) x Height (h)}}{2}$$

Example:

The base of a corner lot is 250 feet while the height is 50 feet. What is the area of the lot?

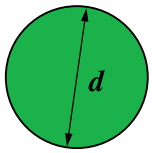
$$\text{Area} = \frac{\text{250 feet x 50 feet}}{2}$$

$$= \text{6,250 square feet}$$

$$\text{Area in acres} = \frac{\text{6,250 square feet}}{\text{43,560 sq. ft. per acre}}$$

$$= \text{0.14 acre}$$

CIRCULAR AREAS



$$\text{Area} = \frac{\pi \text{ x Diameter}^2 \text{ (d)}}{4}$$

$$\pi = 3.14159$$

Example:

What is the area of a green that has a diameter of 45 feet?

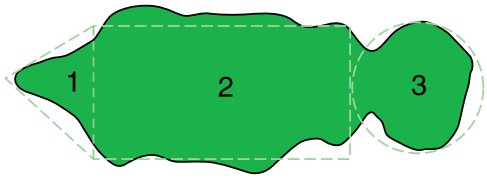
$$\text{Area} = \frac{\pi \text{ x (45 feet)}^2}{4} = \frac{\text{3.14 x 2025}}{4}$$

$$= \text{1,590 square feet}$$

$$\text{Area in acres} = \frac{\text{1,590 square feet}}{\text{43,560 sq. ft. per acre}}$$

$$= \text{0.04 acre}$$

IRREGULAR AREAS



Any irregularly shaped turf area can usually be reduced to one or more geometric figures. The area of each figure is calculated and the areas are then added together to obtain the total area.

Example:

What is the total area of the Par-3 hole illustrated above?

The area can be broken into a triangle (area 1), a rectangle (area 2) and a circle (area 3). Then use the previously mentioned equations for determining areas to find the total area.

$$\text{Area 1} = \frac{\text{25 feet x 30 feet}}{2} = \text{375 square feet}$$

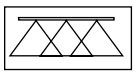
$$\text{Area 2} = \text{25 feet x 475 feet} = \text{11,875 square feet}$$

$$\text{Area 3} = \frac{\text{3.14 x (45 feet)}^2}{4} = \text{1,590 square feet}$$

$$\text{Total Area} = \text{375 + 11,875 + 1,590} = \text{13,840 square feet}$$

$$= \frac{\text{13,840 square feet}}{\text{43,560 sq. ft. per acre}} = \text{0.32 acre}$$

SPRAYER CALIBRATION



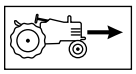
BROADCAST APPLICATION

Sprayer calibration **(1) readies your sprayer for operation** and **(2) diagnoses tip wear**. This will give you optimum performance of your TeeJet® tips.

Equipment Needed:

- TeeJet Calibration Container
- Calculator
- TeeJet Cleaning Brush
- One new TeeJet Spray Tip matched to the nozzles on your sprayer
- Stopwatch or wristwatch with second hand

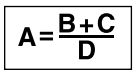
STEP NUMBER 1



CHECK YOUR TRACTOR/SPRAYER SPEED!

Knowing your real sprayer speed is an essential part of accurate spraying. Speedometer readings and some electronic measurement devices can be inaccurate because of wheel slippage. Check the time required to move over a 100- or 200-foot strip on your field. Fence posts can serve as permanent markers. The starting post should be far enough away to permit your tractor/sprayer to reach desired spraying speed. Hold that speed as you travel between the "start" and "end" markers. Most accurate measurement will be obtained with the spray tank half full. Refer to the table on page 9 to calculate your real speed. When the correct throttle and gear settings are identified, mark your tachometer or speedometer to help you control this **vital** part of accurate chemical application.

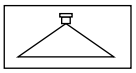
STEP NUMBER 2



THE INPUTS

Before spraying, record the following:	**EXAMPLE**
Nozzle type on your sprayer (All nozzles must be identical)	TT11004 Flat Spray Tip
Recommended application volume (From manufacturer's label)	20 GPA
Measured sprayer speed	6 MPH
Nozzle spacing	20 Inches

STEP NUMBER 3



CALCULATING REQUIRED NOZZLE OUTPUT

Determine GPM nozzle output from formula.

FORMULA: $GPM = \frac{GPA \times MPH \times W}{5{,}940 \text{ (constant)}}$

EXAMPLE: $GPM = \frac{20 \times 6 \times 20}{5{,}940} = \frac{2{,}400}{5{,}940}$

ANSWER: 0.404 GPM

STEP NUMBER 4

SETTING THE CORRECT PRESSURE

Turn on your sprayer and check for leaks or blockage. Inspect and clean, if necessary, all tips and strainers with TeeJet brush. Replace one tip and strainer **with an identical new tip and strainer** on sprayer boom.

Check appropriate tip selection table and determine the pressure required to deliver the nozzle output calculated from the formula in Step 3 for your new tip. Since all of the tabulations are based on spraying water, conversion factors must be used when spraying solutions that are heavier or lighter than water.

Example: (Using above inputs) refer to TeeJet table on page 5 for TT11004 flat spray tip. The table shows that this nozzle delivers 0.40 GPM at 40 PSI.

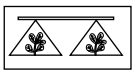
Turn on your sprayer and adjust pressure. **Collect and measure the volume of the spray from the new tip for one minute in the collection jar.** Fine tune the pressure until you collect .40 GPM.

You have now adjusted your sprayer to the proper pressure. It will properly deliver the application rate specified by the chemical manufacturer at your measured sprayer speed.

STEP NUMBER 5

CHECKING YOUR SYSTEM

Problem Diagnosis: Now, check the flow rate of a few tips on each boom section. If the flow rate of any tip is 10 percent greater or less than that of the newly installed spray tip, recheck the output of that tip. If only one tip is faulty, replace with new tip and strainer and your system is ready for spraying. However, if a second tip is defective, **replace all tips on the entire boom**. This may sound unrealistic, but two worn tips on a boom are ample indication of tip wear problems. Replacing only a couple of worn tips invites potentially serious application problems.



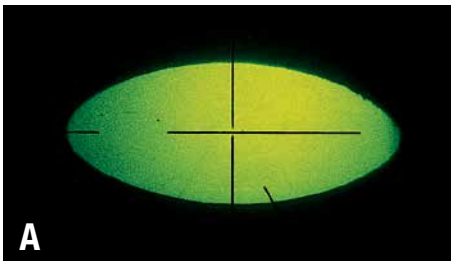
BANDING AND DIRECTED APPLICATIONS

The only difference between the above procedure and calibrating for banding or directed applications is the input value used for "W" in the formula in Step 3.

For single nozzle banding or boomless applications:
W = Sprayed band width or swath width (in inches).

For multiple nozzle directed applications:
W = Row spacing (in inches) divided by the number of nozzles per row.

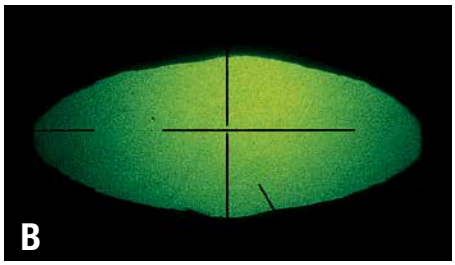
SPRAY TIP WEAR



Tips Don't Last Forever!

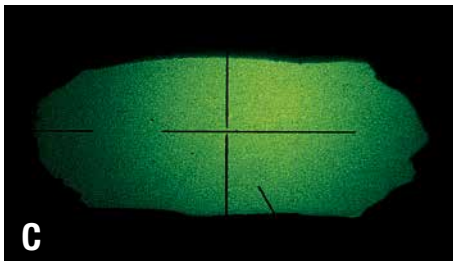
There is sufficient evidence that spray tips may be the most neglected component in today's farming. Even in countries with obligatory sprayer testing, spray tips are the most significant failure. On the other hand, they are among the most critical of items in proper application of valuable agricultural chemicals.

For example, a 10 percent over-application of chemical on a twice-sprayed 1,000-acre farm could represent a loss of $2,000–$10,000 based on today's chemical investments of $10.00–$50.00 per acre. This does not take into account potential crop damage.



An Inside Look at Nozzle Orifice Wear and Damage

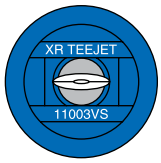
While wear may not be detected when visually inspecting a nozzle, it can be seen when viewed through an optical comparator. The edges of the worn nozzle (B) appear more rounded than the edges of the new nozzle (A). Damage to nozzle (C) was caused by improper cleaning. The spraying results from these tips can be seen in the illustrations below.



Determining Tip Wear

The best way to determine if a spray tip is excessively worn is to compare the flow rate from the used tip to the flow rate of a new tip of the same size and type. Charts in this catalog indicate the flow rates for new nozzles. Check the flow of each tip by using an accurate graduated collection container, a timing device and an accurate pressure gauge mounted at the nozzle tip. Compare the flow rate of the old tip to that of the new one. Spray tips are considered excessively worn and should be replaced when their flow exceeds the flow of a new tip by 10%. Reference 13 for more information.

Spray Tip Care is the First Step to Successful Application

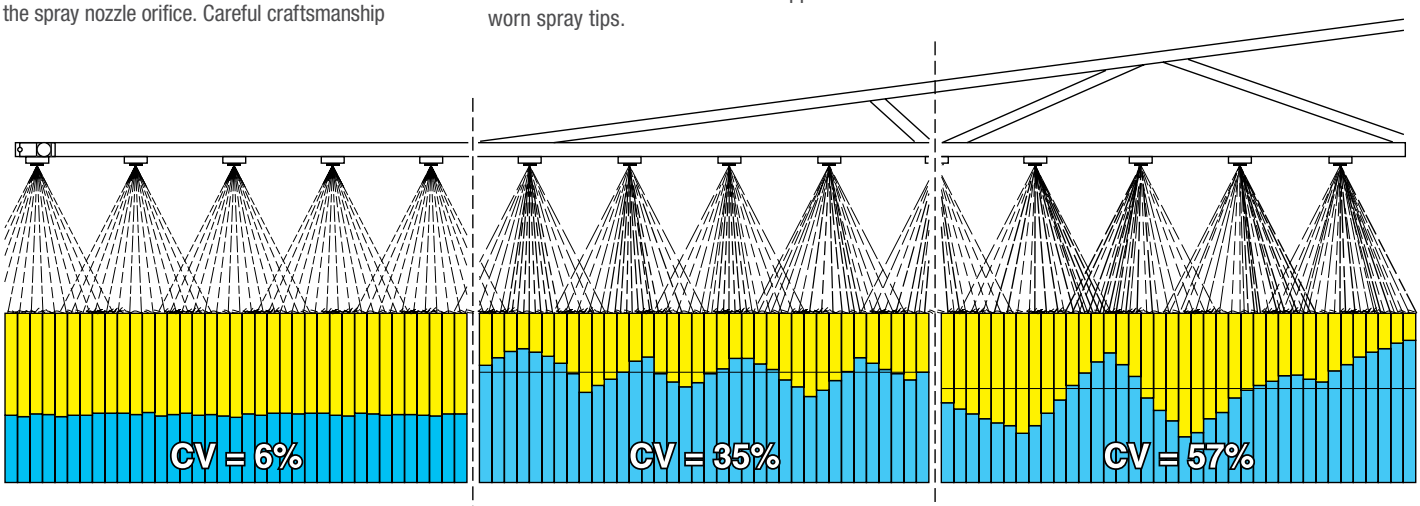


The successful performance of a crop chemical is highly dependent on its proper application as recommended by the chemical manufacturer. Proper selection and operation of spray nozzles are very important steps in accurate chemical application. The volume of spray passing through each nozzle plus the droplet size and spray distribution on the target can influence pest control.

Critical in controlling these three factors is the spray nozzle orifice. Careful craftsmanship goes into the precision manufacturing of each nozzle orifice. European standards, for example the JKI, require very small flow tolerances of new nozzles (+/-5%) of nominal flow. Many TeeJet nozzle types and sizes are already JKI-approved, which confirms the high quality standard designed into TeeJet nozzles. To maintain the quality in practical spraying as long as possible, the operator's job is the proper maintenance of those spray tips.

The illustration below compares the spraying results obtained from well-maintained vs. poorly-maintained spray tips. Poor spray distribution can be prevented. Selection of longer wearing tip materials or frequent replacement of tips from softer materials can eliminate misapplication due to worn spray tips.

Careful cleaning of a clogged spray tip can mean the difference between a clean field and one with weed streaks. Flat spray tips have finely crafted thin edges around the orifice to control the spray. Even the slightest damage from improper cleaning can cause both an increased flow rate and poor spray distribution. Be sure to use adequate strainers in your spray system to minimize clogging. If a tip does clog, only use a soft bristled brush or toothpick to clean it—never use a metal object. Use extreme care with soft tip materials such as plastic. Experience has shown that even a wooden toothpick can distort the orifice.



NEW SPRAY TIPS
Produce a uniform distribution when properly overlapped.

WORN SPRAY TIPS
Have a higher output with more spray concentrated under each tip.

DAMAGED SPRAY TIPS
Have a very erratic output – overapplying and underapplying.

SPRAY DISTRIBUTION QUALITY

One of the most overlooked factors that can dramatically influence the effectiveness of a given crop production chemical is spray distribution. The uniformity of the spray distribution across the boom or within the spray swath is an essential component to achieving maximum chemical effectiveness with minimal cost and minimal non-target contamination. This is more than critical if carrier and chemical rates are applied at the recommended minimum rate. There are many other factors influencing a crop production chemical's effectiveness, such as weather, application timing, active ingredient rates, pest infestation, etc. However, an operator must become aware of spray distribution quality if maximum efficiency is expected.

MEASUREMENT TECHNIQUES

Spray distribution can be measured in different ways. TeeJet Technologies and some sprayer manufacturers, as well as other research and testing stations, have patternators (spray tables) that collect the spray from nozzles on a standardized or real boom. These patternators have a number of channels aligned perpendicular to the nozzle spray. The channels carry the spray liquid into vessels for measuring and analysis (see photo with TeeJet patternator). Under controlled conditions, very accurate distribution measurements can be made for nozzle evaluation and development. Distribution measurements can also take place on an actual farm sprayer. For static measurements along the sprayer boom, a patternator equal or very similar to the one described earlier is placed under the boom in a stationary position or as a small patternator unit scanning the whole boom up to a width of 50 m. Any system of patternator measures electronically the quantity of water in each channel and calculates the values. A distribution quality test gives the applicator important information about the state of the nozzles on the boom. When much more detailed information about spray quality and coverage is required, a dynamic system—spraying a tracer (dye)—can be used. The same is true if the distribution within the swath on a boom has to be measured. Currently, only a few test units worldwide have the ability to perform a stationary test. These tests usually involve shaking or moving the spray boom to simulate actual field and application conditions.

Most of the distribution measuring devices result in data points representing the sprayer's boom swath uniformity. These data points can be very revealing just through visual observation. However, for comparison reasons, a statistical method is widely accepted. This method is Coefficient of Variation (Cv). The Cv compiles all the patternator data points and summarizes them into a simple percentage, indicating the amount of variation within a given distribution. For extremely uniform distributions under accurate conditions, the Cv can be ≤ 7%. In some European countries, nozzles must conform to very strict Cv specifications, while other countries may require the sprayer's distribution to be tested for uniformity every one or two years. These types of stipulations emphasize the great importance of distribution quality and its effect on crop production effectiveness.

FACTORS AFFECTING DISTRIBUTION

There are a number of factors contributing to the distribution quality of a spray boom or resulting Cv percentage. During a static measurement, the following factors can significantly affect the distribution.

- Nozzles
  - type
  - pressure
  - spacing
  - spray angle
  - offset angle
  - spray pattern quality
  - flow rate
  - overlap
- Boom Height
- Worn Nozzles
- Pressure Losses
- Plugged Filters
- Plugged Nozzles
- Plumbing Factors Influencing Liquid Turbulence at Nozzle

Additionally, in the field during the spraying application or during a dynamic distribution test, the following can influence the distribution quality:

- Boom Stability
  - vertical movement (pitch)
  - horizontal movement (yaw)
- Environmental Conditions
  - wind velocity
  - wind direction
- Pressure Losses (sprayer plumbing)
- Sprayer Speed and Resulting Turbulence

The effect of distribution uniformity on the efficiency of a crop production chemical can vary under different circumstances. The crop production chemical itself can have dramatic influence over its efficiency. Always consult the manufacturer's chemical label or recommendation before spraying.

DROPLET SIZE AND DRIFT INFORMATION

A nozzle's spray pattern is made up of numerous spray droplets of varying sizes. Droplet size refers to the diameter of an individual spray droplet.

Since most nozzles have a wide distribution of droplet sizes (otherwise known as droplet spectrum), it is useful to summarize this with statistical analysis. Most advanced drop size measuring devices are automated, using computers and high-speed illumination sources such as lasers to analyze thousands of droplets in a few seconds. Through statistics, this large volume of data can be reduced to a single number that is representative of the drop sizes contained in the spray pattern and can then be classified into droplet size classes. These classes (extremely fine, very fine, fine, medium, coarse, very coarse, extremely coarse and ultra coarse) can then be used to compare one nozzle to another. Care must be taken when comparing one nozzle's drop size to another, as the specific testing procedure and instrument can bias the comparison.

Droplet sizes are usually measured in microns (micrometers). One micron equals 0.001 mm. The micron is a useful unit of measurement because it is small enough that whole numbers can be used in drop size measurement.

The majority of agricultural nozzles can be classified as producing either fine, medium, coarse or very coarse droplets. A nozzle with a coarse or very coarse droplet is usually selected to minimize off-target spray drift, while a nozzle with a fine droplet is required to obtain maximum surface coverage of the target plant.

To show comparisons between nozzle types, spray angle, pressure and flow rate, refer to the droplet size classes shown in the tables on pages 22–25.

Another droplet size measurement that is useful for determining a nozzle's drift potential is the percentage of driftable fines. Since the smaller droplets have a greater tendency to move off-target, it makes sense to determine what the percentage of small droplets is for a particular nozzle in order to minimize it when drift is a concern. Droplets below 150 microns are considered potential drift contributors. The table below shows several nozzles and their percentage of driftable fines.

TeeJet Technologies uses the most advanced measuring instrumentation (PDPA and Oxford lasers) to characterize sprays, obtaining droplet size and other important information. For the latest accurate information about nozzles and their droplet size, please contact your nearest TeeJet representative.

DRIFTABLE DROPLETS*

NOZZLE TYPE (0.50 GPM FLOW)	APPROXIMATE PERCENT OF SPRAY VOLUME LESS THAN 150 MICRONS	
	15 PSI	40 PSI
XR – Extended Range TeeJet (110º)	19%	30%
TT – Turbo TeeJet (110º)	4%	13%
TTJ60 – Turbo TwinJet (110º)	3%	10%
TF – Turbo FloodJet	2%	7%
AIXR – Air Induction XR (110º)	2%	7%
AITTJ60 – Air Induction Turbo TwinJet (110º)	1%	6%
AI – Air Induction TeeJet (110º)	N/A	5%
TTI – Turbo TeeJet Induction (110º)	<1%	2%

*Data obtained from Oxford VisiSizer system spraying water at 70ºF (21ºC) under laboratory conditions.

ASSESSMENT OF NOZZLE DRIFT CONTROL IN EUROPE

Several European countries now consider it important to assess nozzles for spray drift control as this enables general cooperation between agriculture, nature conservation and environmental protection. Although spray pattern distribution testing has been carried out for several decades (see page 17), preliminary assessment criteria for drift control during chemical applications were first defined in the 1980's and 1990's. A minimum value was determined for the small droplet ratio ($D_{v0.1}$) of nozzles. The development of the XR TeeJet® nozzles, together with the first generation of drift control nozzles (DG TeeJet®), achieved significant advances in crop protection technology. However, these proved insufficient as environmental regulations on chemical application became more and more restrictive. Stricter requirements for buffer strips to protect surface water and sensitive areas around fields in particular have led to the development of a program that assesses nozzle drift control as well as to innovative nozzles producing larger droplet sizes. While nozzle development is described on pages 20 and 21, priority here is given to describing drift control evaluation programs.

Drift control assessment systems in Europe

Countries such as the UK, the Netherlands and Germany do not use standardized systems for measuring reduction in drift. However, one aspect shared by all systems is they all use a reference system based on the 03 nozzle specified in the BCPC droplet size classification scheme at 43.5 PSI (3 bar) pressure and at a spray height of 19.7" (50 cm) above the target surface. Drift from this nozzle is defined as 100%. The drift control levels from other nozzle types at the same pressure are compared with this reference nozzle. For example, a nozzle categorized as 50% produces at least 50% less drift than the reference nozzle. The countries mentioned above have compiled corresponding percentage drift control categories, which vary from one another in some areas and are valid only at a national level.

While in Germany drift control categories of 50% / 75% / 90% / 99% apply, they are categorized as 50% / 75% / 90% / 95% in the Netherlands and as 25% / 50% / 75% in the UK. Furthermore, the same nozzle type and size operated at the same pressure may be categorized as 50% in country A and 75% in country B. This is due to different methods of measurement and calculation. The future may lead to international standardization emerging over the next few years as a result of approaching EU harmonization. At present, TeeJet Technologies is obliged to test new developments and have them assessed in each of these countries to verify the effectiveness of the technical advances so farmers can use our products without fearing conflict with the government.

The system in Germany

In Germany, the Julius Kühn Institute-Federal Research Institute for Cultivated Plants (JKI), is responsible for testing nozzles for agricultural use. Drift measurements are taken in the field under the most standardized conditions possible for temperature, wind direction, wind velocity and forward speed. This method is mandatory for testing air-assisted sprayers and their affect on nozzles used on permanent crops such as orchards and vineyards. Thanks to field measurements recorded over many years and their high correlation with temperature-controlled wind tunnel measurements, drift measurements on agricultural nozzles can now also be conducted at the JKI wind tunnel in absolutely standardized conditions. In all cases, tracer methods are used to quantify droplets of a high detection limit on artificial collectors and feed the data into a "DIX model" (drift potential index). This gives DIX values expressed as categories in the percentage drift reduction classes.

The system in the UK

The UK currently uses only one assessment system for agricultural nozzles. The Pesticide Safety Directorate (PSD) evaluates data recorded in the wind tunnel, but in contrast to the JKI, it records the droplets landed on horizontal collectors. The climatic conditions are standardized as well. The test nozzle is compared with the BCPC reference nozzle and awarded a corresponding star rating where one star equates to drift levels up to 75%, two stars up to 50% and three stars up to 25% of those of the reference system.

The system in the Netherlands

Although the Dutch have used an assessment system for agricultural nozzles for several years (Lozingenbesluit Open Teelten Veehouderij/Water Pollution Act, Sustainable Crop Protection), they are about to introduce a system for nozzles used in orchard spraying. Agrotechnology & Food Innovations B.V. (WageningenUR) is in charge of the measurements. A Phase Doppler Particle Analyzer (PDPA laser) is used to investigate the droplets and droplet speed from a nozzle offering the following characteristics: $D_{v0.1}$, VMD, $D_{v0.9}$ and volume fraction <100µm. The data collected is then fed into the IDEFICS model. The calculation also factors in a reference crop and stage, a buffer strip in the field, forward speed and defined weather conditions to arrive at a percentage nozzle classification for the particular spray pressure under examination. Approval bodies such as CTB (75% / 90% / 95%) and RIZA (50%) publish the classifications.

Benefits and options for users

The use of drift control nozzles brings significant benefits to users in the countries listed, as well as others around the world. Depending on the location of the fields relative to environmentally sensitive areas such as surface water and field boundaries, applicators can reduce the width of buffer strips, as stipulated by the relevant restrictions in association with the approval of the chemical (e.g. 20 meter no-spray buffer strips). Consequently, it is possible to apply chemicals subject to restrictions in field margins near surface water etc., provided that the user complies with the national application regulations. If the directions of use for a particular product require a 75% reduction of drift, allowing for carrier volume and travel speed, it will be necessary to use a nozzle with a 75% drift control classification and operate it at the spray pressure specified. As a general rule, forward speed can be optimized so that the same nozzle can be used near the field boundaries as well as within the middle of the applied field area. With this, the carrier volume remains constant in different situations. Since it is possible to define minimum buffer strip widths for all applications at a national level as well, these must always be considered on a case by case basis.

In general, for successful crop protection, it is necessary to select nozzles of a high percentage classification (75% or higher) only in those situations where statutory buffer strip requirements apply. Otherwise, we suggest using nozzles at a spray pressure achieving a 50% drift control or using non-classified nozzles.

For further information about the low-drift categories of TeeJet nozzles, contact your TeeJet representative or go to www.teejet.com.

DRIFT CAUSES AND CONTROL

Figure 1. This is not what crop protection should look like!

When applying crop protection chemicals, spray drift is a term used for those droplets containing the active ingredients that are not deposited on the target area. The droplets most prone to spray drift are usually small in size, less than 150 micron in diameter and easily moved off the target area by wind or other climatic conditions. Drift can cause crop protection chemicals to be deposited in undesirable areas with serious consequences, such as:

- Damage to sensitive adjoining crops.
- Surface water contamination.
- Health risks for animals and people.
- Possible contamination to the target area and adjacent areas or possible over-application within the target area.

CAUSES OF SPRAY DRIFT

A number of variables contribute to spray drift; these are predominantly due to the spray equipment system and meteorological factors.

• Droplet Size

Within the spray equipment system, drop size is the most influential factor related to drift.

When a liquid solution is sprayed under pressure it is atomized into droplets of varying sizes: **The smaller the nozzle size and the greater the spray pressure, the smaller the droplets and therefore the greater the proportion of driftable droplets.**

• Spray Height

As the distance between the nozzle and the target area increases, the greater impact wind velocity can have on drift. The influence of wind can increase the proportion of smaller drops being carried off target and considered drift.

Do not spray at greater heights than those recommended by the spray tip manufacturer, while taking care not to spray below the minimum recommended heights.

• Operating Speed

Increased operating speeds can cause the spray to be diverted back into upward wind currents and vortexes behind the sprayer, which trap small droplets and can contribute to drift.

Apply crop protection chemicals according to good, professional practices at maximum operating speeds of 4 to 6 mph (with air induction type nozzles—up to 6 mph). As wind velocities increase, reduce operating speed.*

* Liquid fertilizer applications using the TeeJet® tips with very coarse droplets can be performed at higher operating speeds.

• Wind Velocity

Among the meteorological factors affecting drift, wind velocity has the greatest impact. Increased wind speeds cause increased spray drift. It is common knowledge that in most parts of the world the wind velocity is variable throughout the day (see Figure 2). Therefore, it is important for spraying to take place during the relatively calm hours of the day. The early morning and early evening are usually the most calm. **Refer to chemical label for velocity recommendations.** When spraying with traditional techniques the following rules-of-thumb apply:

In low wind velocity situations, spraying can be performed at recommended nozzle pressures.

As wind velocities increase up to 17 mph, spray pressure should be reduced and nozzle size increased to obtain larger droplets that are less prone to drift. Wind measurements should be taken throughout the spraying operation with a wind meter or anemometer. As the risk of spray drift increases, selecting designed to more coarse droplets that are less prone to drift is extremely important. Some such TeeJet nozzles that fit into this category are: DG TeeJet®, Turbo TeeJet®, AI TeeJet, Turbo TeeJet Induction, and AIXR TeeJet.

When wind velocities exceed 11 MPH (5 m/s), spraying operation should not be performed.

• Air Temperature and Humidity

In ambient temperatures over 77°F/25°C with low relative humidity, small droplets are especially prone to drift due to the effects of evaporation.

High temperature during the spraying application may necessitate system changes, such as nozzles that produce a coarser droplet or suspending spraying.

• Crop Protection Chemicals and Carrier Volumes

Before applying crop protection chemicals, the applicator should read and follow all instructions provided by the manufacturer. Since extremely low carrier volume usually necessitates the use of small nozzle sizes, the drift potential is increased. As high a carrier volume as practical is recommended.

APPLICATION REGULATIONS FOR SPRAY DRIFT CONTROL

In several European countries, regulatory authorities have issued application regulations in the use of crop protection chemicals to protect the environment. In order to protect the surface waters and the field buffer areas (examples are: hedges and grassy areas of a certain width) distance requirements must be kept because of spray drift. Inside the European Union (EU) there is a directive for the harmonization of crop protection chemicals in regards to environmental protection. In this respect the procedures that have been implemented in Germany, England and the Netherlands will be established in other EU countries in the coming years.

To reach the objectives for environmental protection, spray drift reducing measures have been integrated as a central instrument in the practice of risk evaluation. For example, buffer zones may be reduced in width if certain spraying techniques or equipment is used that have been approved and certified by certain regulatory agencies. Many of the TeeJet nozzles designed for reducing spray drift have been approved and certified in several EU countries. The certification of those registrars fits into a drift reduction category, such as 90%, 75%, or 50% (90/75/50) control of drift (see page 16). This rating is related to the comparison of the BCPC reference nozzle capacity of 03 at 3 bar.

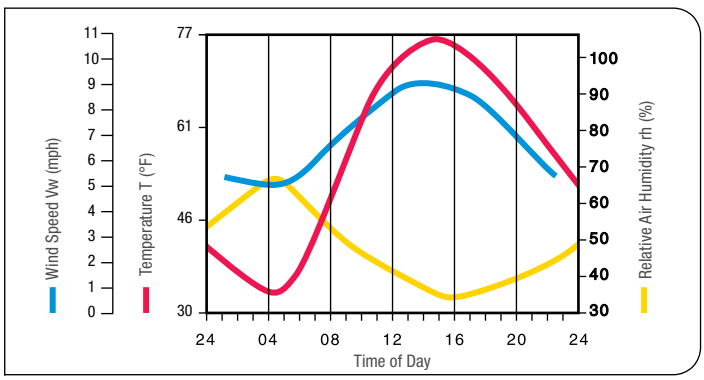


Figure 2. Development of wind velocity, air temperature and relative air humidity (example). From: Malberg

NOZZLES FOR SPRAY DRIFT CONTROL

Drift potential can be minimized even when it is necessary to use small nozzle capacities by selecting nozzle types that produce larger Volume Median Diameter (VMD) droplets and a lower percentage of small droplets. Figure 4 is an example showing VMD's produced by nozzles of identical flow rates (size 11003) which produce coarser droplets than an XR TeeJet and then larger droplets in sequence; TT/TTJ60, AIXR, AITTJ60, AI and TTI. TTI nozzles produce the coarsest droplet size spectrum of this group. When operating at a pressure of 50 PSI (3 bar) and 5 MPH (7 km/h) ground speed, the application rate is 20 GPA (200 l/ha). At the same time, the observation is that the VMD increases significantly from the XR to the TTI. This shows that it is possible to cover the entire droplet size spectrum from very fine to extremely coarse droplets by using different types of nozzles. While susceptibility to drift decreases when droplets become larger, the number of droplets available may lead to less uniform coverage. To compensate for this drawback and for the chemical to be effective, it is necessary to apply the optimum pressure range specified for a particular type of nozzle. If applicators comply with the parameters set by the manufacturers, they will always cover 10–15% of the target surface on average, which is not least attributed to the fact that less drift translates into more effective coverage. Figure 4 shows the VMD curves by nozzle type indicating the optimum pressure ranges for the individual nozzles which should be selected with respect to both effective drift control and effect of the chemical. When the focus is on drift control, TT, TTJ60 and AIXR are operated at pressures of less than 29.5 PSI (2 bar). Yet, where maximum effect is critical, the nozzles are operated at pressures between 29.5 PSI (2 bar) and 52 PSI (3.5 bar) or even higher in specific conditions. These pressure ranges do not apply to AI and TTI, which operate at less than 43.5 PSI (3 bar) when drift control is critical and always at 58 PSI (4 bar) and 101.5 PSI (7 bar) and even 116 PSI (8 bar) when the emphasis is on chemical affect. Therefore, for applicators to select the correct nozzle size it is necessary to consider the spray pressure at which a chemical is most effective. With this, they simply have to reduce pressure and ground speed to comply with statutory buffer strip requirements. It is down to the conditions prevailing at the individual farm (location of the field, number of water bodies, type of chemical applied, etc.) whether they should choose a TeeJet nozzle that reduces drift by 50%, 75% or 90%. On principle, applicators should use 75% or 90% drift control nozzles (extremely coarse droplets) only when spraying near field boundaries and 50% or less TeeJet nozzles in all other areas of the field.

While the classic XR TeeJet orifice provides two functions; metering the volume flow rate and distributing and creating the droplets, all other nozzle types discussed above use a pre-orifice for metering while distribution and droplet creation takes place at the exit orifice (Fig. 3). Both functions and devices relate to each other with respect to geometry and spacing and interact with respect to the droplet size produced. The TT, TTJ60, AITTJ60 and TTI nozzles force the liquid to change direction after it has passed the pre-orifice, forcing it into a horizontal chamber and to change direction again into the nearly vertical passage in the orifice itself. The AI, AITTJ60, AIXR and TTI air induction nozzles operate on the Venturi principle, where the pre-orifice generates a higher-velocity stream, aspirating air through the side holes. This specific air/liquid mix creates more coarse droplets that are filled with air, depending on the chemical used.

SUMMARY

Successful drift management centers on sound knowledge about drift contributing factors and the use of drift control, TeeJet nozzles. To strike a sound balance between successful chemical application and environmental protection, applicators should use approved broadcast TeeJet nozzles that are classified as drift control and operate these within the pressure ranges that ensure chemical effectiveness; i.e. set nozzles to 50% drift control or less. The following list shows all the relevant factors that need to be considered, optimized or applied to achieve effective drift control:

- **Low-Drift TeeJet nozzles**
- **Spraying pressure and droplet size**
- **Application rate and nozzle size**
- **Spraying height**
- **Forward speed**
- **Wind velocity**
- **Ambient temperature and relative humidity**
- **Buffer strips (or apply options that allow reducing the width of buffer strips)**
- **Compliance with manufacturer instructions**

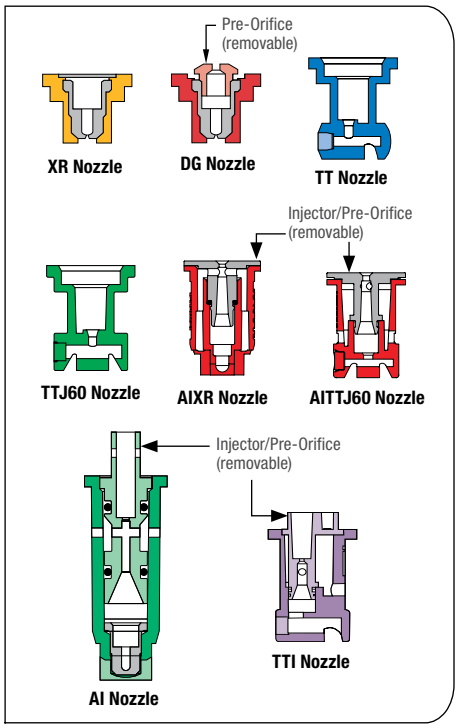


Figure 3: XR, DG, TT, AIXR, AI, AITTJ60, TTJ60 and TTI nozzles (sectional drawings).

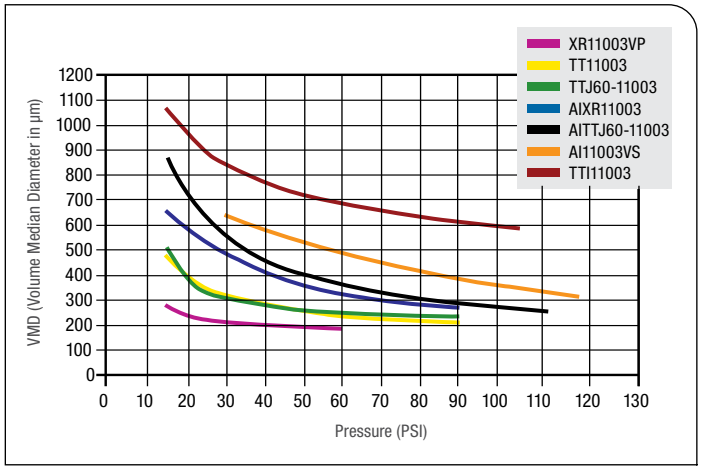


Figure 4. Volumetric droplet diameters of XR, TT, TTJ60, AIXR, AI, AITTJ60 and TTI nozzles relative to pressure

Measurement conditions:

– Continuous Oxford Laser measurement across the full width of the flat spray
– Water temperature 70 °F

DROP SIZE CLASSIFICATION

Nozzle selection is often based upon droplet size. The droplet size from a nozzle becomes very important when the efficacy of a particular plant protection chemical is dependent on coverage, or the prevention of spray leaving the target area is a priority.

The majority of the nozzles used in agriculture can be classified as producing droplets in the range of fine to ultra coarse droplets. Nozzles that produce droplets in the finer to middle portion of the range are usually recommended for post-emergence contact applications, which require excellent coverage on the intended target area. This may include herbicides, insecticides and fungicides. Nozzles producing droplets from the middle to coarser end of the range, while offering less thorough surface coverage, provide significantly improved drift control. These nozzles are commonly used for systemic and pre-emergence surface applied herbicides.

An important point to remember when choosing a spray nozzle that produces a droplet size in one of the eight categories is that one nozzle can produce different droplet size classifications at different pressures. A nozzle might produce medium droplets at low pressures, while producing fine droplets as pressure is increased.

Droplet size classes are shown in the following tables to assist in choosing an appropriate spray tip.

CATEGORY	SYMBOL	COLOR CODE
Extremely Fine	XF	
Very Fine	VF	
Fine	F	
Medium	M	
Coarse	C	
Very Coarse	VC	
Extremely Coarse	XC	
Ultra Coarse	UC	

Droplet size classifications are based on BCPC specifications and in accordance with ASABE Standard S572.1 at the date of printing. Classifications are subject to change.

AI TeeJet® (AI)

	PSI										
	30	35	40	45	50	55	60	70	80	90	100
AI80015	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AI8002	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AI80025	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	VC
AI8003	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	VC
AI81004	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AI8005	UC	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC
AI8006	UC	UC	UC	UC	UC	XC	XC	XC	XC	XC	XC
AI110015	UC	XC	XC	XC	XC	XC	VC	VC	VC	C	C
AI11002	UC	UC	XC	XC	XC	XC	VC	VC	VC	VC	C
AI110025	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AI11003	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AI11004	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AI11005	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	VC
AI11006	UC	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC
AI11008	UC	UC	UC	UC	XC	XC	XC	XC	VC	VC	VC

AI TeeJet® (AI E)

	PSI							
	30	40	50	60	70	80	90	100
AI95015E	UC	XC	XC	VC	VC	VC	C	C
AI9502E	UC	XC	XC	VC	VC	VC	VC	C
AI95025E	UC	XC	XC	VC	VC	VC	VC	C
AI9503E	UC	XC	XC	VC	VC	VC	VC	C
AI9504E	UC	XC	XC	VC	VC	VC	VC	C
AI9505E	UC	XC	XC	VC	VC	VC	VC	VC
AI9506E	UC	UC	XC	XC	XC	VC	VC	VC
AI9508E	UC	UC	XC	XC	XC	VC	VC	VC

AI3070 TeeJet® (AI3070)

	PSI							
	20	30	40	50	60	70	80	90
AI3070-015	VC	C	C	M	M	M	M	F
AI3070-02	XC	VC	C	C	C	M	M	M
AI3070-025	XC	VC	C	C	C	C	C	M
AI3070-03	XC	XC	VC	C	C	C	C	C
AI3070-04	UC	XC	VC	VC	VC	C	C	C
AI3070-05	UC	XC	VC	VC	VC	C	C	C

AIC TeeJet® (AIC)

	PSI										
	30	35	40	45	50	55	60	70	80	90	100
AIC110015	UC	XC	XC	XC	XC	XC	VC	VC	VC	C	C
AIC11002	UC	UC	XC	XC	XC	XC	VC	VC	VC	VC	C
AIC110025	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AIC11003	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AIC11004	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	C
AIC11005	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	VC
AIC11006	UC	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC
AIC11008	UC	UC	UC	UC	XC	XC	XC	XC	VC	VC	VC
AIC11010	UC	UC	UC	UC	XC	XC	XC	XC	XC	VC	VC
AIC11015	UC	UC	UC	UC	XC	XC	XC	XC	XC	VC	VC

AIUB TeeJet® (AIUB)

	PSI							
	30	40	50	60	70	80	90	100
AIUB8502	UC	XC	XC	VC	VC	VC	VC	C
AIUB85025	UC	XC	XC	XC	VC	VC	VC	C
AIUB8503	UC	XC	XC	XC	VC	VC	VC	C
AIUB8504	UC	XC	XC	XC	VC	VC	VC	C

Air Induction Turbo TwinJet® (AITTJ60)

	PSI										
	20	25	30	35	40	50	60	70	80	90	100
AITTJ60-11002	XC	XC	VC	VC	VC	C	C	C	C	C	M
AITTJ60-110025	XC	XC	VC	VC	VC	C	C	C	C	C	M
AITTJ60-11003	UC	XC	XC	XC	VC	VC	C	C	C	C	C
AITTJ60-11004	UC	XC	XC	XC	VC	VC	C	C	C	C	C
AITTJ60-11005	UC	XC	XC	XC	XC	VC	VC	C	C	C	C
AITTJ60-11006	UC	XC	XC	XC	XC	VC	VC	C	C	C	C
AITTJ60-11008	UC	UC	UC	UC	XC	XC	VC	VC	VC	C	C
AITTJ60-11010	UC	UC	UC	UC	UC	XC	XC	XC	XC	VC	VC
AITTJ60-11015	UC	UC	UC	UC	UC	XC	XC	XC	VC	VC	VC

AIXR TeeJet® (AIXR)

	PSI										
	15	20	25	30	35	40	50	60	70	75	90
AIXR110015	XC	XC	VC	C	C	C	C	M	M	M	M
AIXR11002	XC	XC	XC	VC	VC	C	C	C	C	M	M
AIXR110025	XC	XC	XC	XC	VC	VC	C	C	C	C	C
AIXR11003	XC	XC	XC	XC	VC	VC	C	C	C	C	C
AIXR11004	UC	XC	XC	XC	XC	XC	VC	VC	C	C	C
AIXR11005	UC	XC	XC	XC	XC	XC	VC	VC	C	C	C
AIXR11006	UC	XC	XC	XC	XC	XC	VC	VC	VC	C	C

DG TwinJet® (DGTJ60)

	PSI				
	30	35	40	50	60
DGTJ60-110015	F	F	F	F	F
DGTJ60-11002	M	M	M	F	F
DGTJ60-11003	M	M	M	F	F
DGTJ60-11004	C	C	C	C	M
DGTJ60-11006	C	C	C	C	C
DGTJ60-11008	C	C	C	C	C

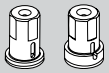
DG TeeJet (DG)

	PSI				
	30	35	40	50	60
DG80015	M	M	M	M	F
DG8002	M	M	M	M	M
DG8003	C	M	M	M	M
DG8004	C	C	C	M	M
DG8005	C	C	C	M	M
DG110015	M	M	F	F	F
DG11002	M	M	M	M	M
DG11003	C	M	M	M	M
DG11004	C	C	M	M	M
DG11005	C	C	C	M	M

TeeJet® (TP)

	PSI				
	30	35	40	50	60
TP8001	F	F	F	F	F
TP80015	F	F	F	F	F
TP8002	F	F	F	F	F
TP8003	F	F	F	F	F
TP8004	M	M	M	F	F
TP8005	M	M	M	M	F
TP8006	M	M	M	M	M
TP8008	C	C	M	M	M
TP11001	F	F	F	F	VF
TP110015	F	F	F	F	F
TP11002	F	F	F	F	F
TP11003	F	F	F	F	F
TP11004	M	M	M	F	F
TP11005	M	M	M	F	F
TP11006	M	M	M	M	F
TP11008	C	M	M	M	M

AITX ConeJet® (AITXA & AITXB)



	PSI							
	60	80	100	120	140	160	180	200
AITXA8001 AITXB8001	XC	VC	VC	C	C	C	C	C
AITXA80015 AITXB80015	XC	XC	VC	C	C	C	C	C
AITXA8002 AITXB8002	XC	XC	XC	VC	VC	VC	VC	C
AITXA80025 AITXB80025	UC	XC	XC	XC	XC	XC	VC	VC
AITXA8003 AITXB8003	UC	XC	XC	XC	XC	VC	VC	VC
AITXA8004 AITXB8004	UC	UC	XC	XC	XC	XC	XC	VC

DG TeeJet® (DG E)

	PSI				
	30	35	40	50	60
DG95015E	M	M	M	F	F
DG9502E	M	M	M	M	M
DG9503E	C	M	M	M	M
DG9504E	C	C	C	M	M
DG9505E	C	C	C	M	M

Turbo FloodJet® (TF)

	PSI				
	10	20	30	40	50
TF-2	UC	XC	XC	VC	VC
TF-2.5	UC	UC	XC	XC	VC
TF-3	UC	UC	XC	XC	VC
TF-4	UC	UC	XC	XC	XC
TF-5	UC	UC	UC	XC	XC
TF-7.5	UC	UC	UC	XC	XC
TF-10	UC	UC	UC	XC	XC

Turbo TeeJet® (TT)

	PSI										
	15	20	25	30	35	40	50	60	70	80	90
TT11001	C	C	M	M	M	M	M	F	F	F	F
TT110015	VC	C	C	M	M	M	M	F	F	F	F
TT11002	VC	VC	C	C	M	M	M	M	F	F	F
TT110025	VC	VC	C	C	M	M	M	M	F	F	F
TT11003	VC	VC	C	C	C	C	M	M	M	M	F
TT11004	XC	VC	VC	C	C	C	M	M	M	M	M
TT11005	XC	VC	VC	VC	VC	C	C	M	M	M	M
TT11006	XC	VC	VC	VC	VC	VC	C	C	C	M	M
TT11008	XC	VC	VC	VC	VC	C	C	C	C	M	M

DROP SIZE CLASSIFICATION

Turbo TeeJet® Induction (TTI)

	PSI											
	15	20	25	30	35	40	50	60	70	80	90	100
TTI110015	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC	XC
TTI11002	UC	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC
TTI110025	UC	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC
TTI11003	UC	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC
TTI11004	UC	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC
TTI11005	UC	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC
TTI11006	UC	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC

TurfJet (TTJ)

	PSI						
	25	30	40	50	60	70	75
1/4TTJ02	UC	UC	UC	XC	XC	XC	XC
1/4TTJ04	UC	UC	UC	UC	UC	UC	UC
1/4TTJ05	UC	UC	UC	UC	UC	UC	UC
1/4TTJ06	UC	UC	UC	UC	UC	UC	UC
1/4TTJ08	UC	UC	UC	UC	UC	UC	UC
1/4TTJ10	UC	UC	UC	UC	UC	UC	UC
1/4TTJ15	UC	UC	UC	UC	UC	UC	UC

TwinJet® (TJ60 E)

	PSI			
	30	40	50	60
TJ60-8002E	F	F	F	F
TJ60-8003E	F	F	F	F
TJ60-8004E	M	F	F	F
TJ60-8006E	M	M	M	M

TX ConeJet® (TXA & TXB)

	PSI							
	30	40	50	60	70	80	90	100
TXA800050 TXB800050	F	VF	VF	VF	VF	VF	VF	VF
TXA800067 TXB800067	F	VF	VF	VF	VF	VF	VF	VF
TXA8001 TXB8001	F	F	VF	VF	VF	VF	VF	VF
TXA80015 TXB80015	F	F	F	F	F	VF	VF	VF
TXA8002 TXB8002	F	F	F	F	VF	VF	VF	VF
TXA8003 TXB8003	F	F	F	F	F	F	VF	VF
TXA8004 TXB8004	F	F	F	F	F	F	VF	VF

Turbo TwinJet® (TTJ60)

	PSI									
	20	25	30	35	40	50	60	70	80	90
TTJ60-11002	C	C	C	C	C	M	M	M	M	M
TTJ60-110025	VC	C	C	C	C	C	C	M	M	M
TTJ60-11003	VC	C	C	C	C	C	C	C	M	M
TTJ60-11004	VC	C	C	C	C	C	C	C	C	M
TTJ60-11005	VC	C	C	C	C	C	C	C	C	C
TTJ60-11006	XC	VC	VC	C	C	C	C	C	C	C

TwinJet® (TJ60)

	PSI				
	30	35	40	50	60
TJ60-6501	F	VF	VF	VF	VF
TJ60-650134	F	F	F	VF	VF
TJ60-6502	F	F	F	F	F
TJ60-6503	M	F	F	F	F
TJ60-6504	M	M	M	M	F
TJ60-6506	M	M	M	M	M
TJ60-6508	C	C	C	M	M
TJ60-8001	VF	VF	VF	VF	VF
TJ60-8002	F	F	F	F	F
TJ60-8003	F	F	F	F	F
TJ60-8004	M	M	F	F	F
TJ60-8005	M	M	M	F	F
TJ60-8006	M	M	M	M	M
TJ60-8008	C	M	M	M	M
TJ60-8010	C	C	C	M	M
TJ60-11002	F	VF	VF	VF	VF
TJ60-11003	F	F	F	F	F
TJ60-11004	F	F	F	F	F
TJ60-11005	M	M	M	F	F
TJ60-11006	M	M	M	F	F
TJ60-11008	M	M	M	M	M
TJ60-11010	M	M	M	M	M

TX ConeJet® (TX)

	PSI							
	30	40	50	60	70	80	90	100
TX-1	VF	VF	VF	VF	VF	VF	VF	VF
TX-2	VF	VF	VF	VF	VF	VF	VF	VF
TX-3	F	VF	VF	VF	VF	VF	VF	VF
TX-4	F	VF	VF	VF	VF	VF	VF	VF
TX-6	F	F	VF	VF	VF	VF	VF	VF
TX-8	F	F	VF	VF	VF	VF	VF	VF
TX-10	F	F	F	F	VF	VF	VF	VF
TX-12	F	F	F	F	VF	VF	VF	VF
TX-18	F	F	F	F	F	F	VF	VF
TX-26	F	F	F	F	F	F	VF	VF

TXR ConeJet® (TXR)

	PSI							
	30	40	50	60	70	80	90	100
TXR800053	VF	VF	VF	VF	VF	VF	VF	VF
TXR800071	F	VF	VF	VF	VF	VF	VF	VF
TXR8001	F	F	VF	VF	VF	VF	VF	VF
TXR80013	F	F	VF	VF	VF	VF	VF	VF
TXR80015	F	F	F	F	F	VF	VF	VF
TXR80017	F	F	F	F	VF	VF	VF	VF
TXR8002	F	F	F	F	VF	VF	VF	VF
TXR80028	F	F	F	F	F	VF	VF	VF
TXR8003	F	F	F	F	F	F	VF	VF
TXR80036	F	F	F	F	F	F	VF	VF
TXR8004	F	F	F	F	F	F	VF	VF
TXR80049	F	F	F	F	F	F	F	F

XR TeeJet® (XR)

	PSI						
	15	20	25	30	40	50	60
XR8001	F	F	F	F	F	F	F
XR80015	M	F	F	F	F	F	F
XR8002	M	M	F	F	F	F	F
XR80025	M	M	F	F	F	F	F
XR8003	M	M	M	F	F	F	F
XR80035	M	M	M	M	M	F	F
XR8004	C	M	M	M	M	F	F
XR8005	C	C	M	M	M	M	F
XR8006	C	C	C	M	M	M	M
XR8008	VC	VC	C	C	M	M	M
XR8010	XC	VC	VC	C	C	C	C
XR8015	XC	XC	VC	VC	VC	C	C
XR11001	F	F	F	F	F	F	VF
XR110015	F	F	F	F	F	F	F
XR11002	M	F	F	F	F	F	F
XR110025	M	M	F	F	F	F	F
XR11003	M	M	M	F	F	F	F
XR11004	M	M	M	M	M	F	F
XR11005	M	M	M	M	M	F	F
XR11006	C	M	M	M	M	M	F
XR11008	C	C	C	C	M	M	M
XR11010	VC	C	C	C	M	M	M
XR11015	VC	VC	VC	VC	C	C	C

TK FloodJet® (TK-VP)

	PSI				
	10	20	30	40	50
TK-VP1	C	M	F	F	F
TK-VP1.5	C	M	F	F	F
TK-VP2	C	M	F	F	F
TK-VP2.5	C	M	F	F	F
TK-VP3	C	M	F	F	F
TK-VP4	C	M	M	F	F
TK-VP5	C	M	M	F	F
TK-VP7.5	VC	C	C	C	M
TK-VP10	XC	VC	C	C	M

XP BoomJet® (XP)

	PSI				
	20	30	40	50	60
1/4XP10R 1/4XP10L	UC	UC	UC	UC	UC
1/4XP20R 1/4XP20L	UC	UC	UC	UC	UC
1/4XP25R 1/4XP25L	UC	UC	UC	UC	UC
1/4XP40R 1/4XP40L	UC	UC	UC	UC	UC
1/4XP80R 1/4XP80L	UC	UC	UC	UC	UC

XRC TeeJet (XRC)

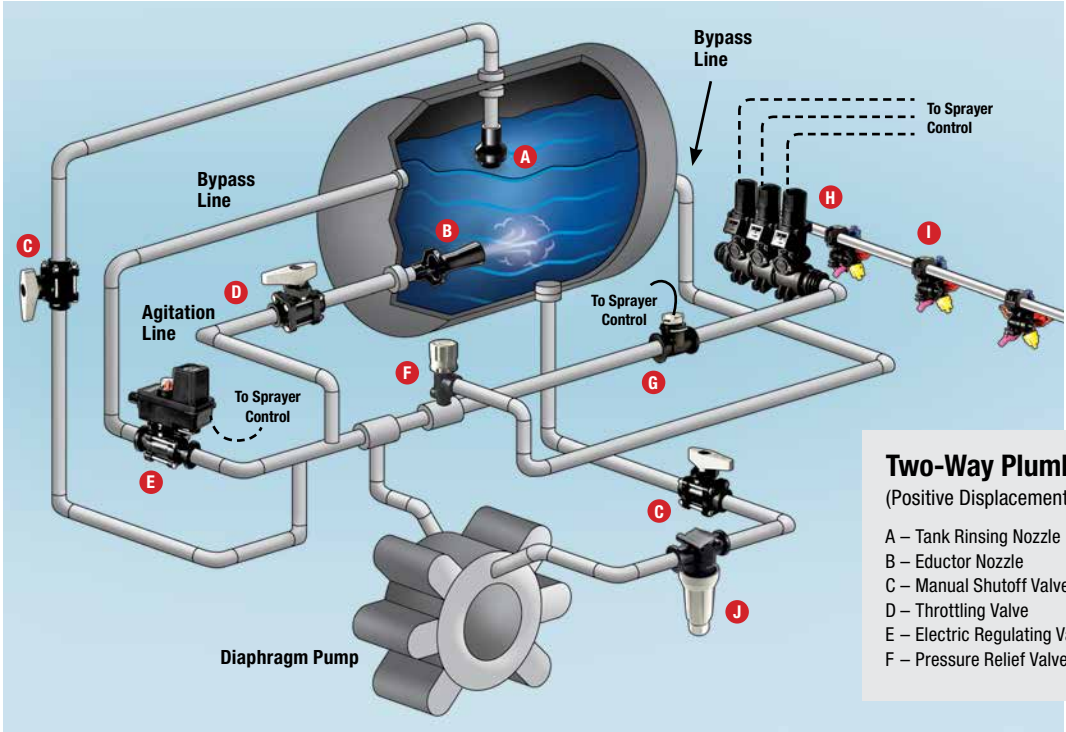
	PSI						
	15	20	25	30	40	50	60
XRC80015	M	F	F	F	F	F	F
XRC8002	M	M	F	F	F	F	F
XRC8003	M	M	M	F	F	F	F
XRC8004	C	M	M	M	M	F	F
XRC8005	C	C	M	M	M	M	F
XRC8006	C	C	C	M	M	M	M
XRC8008	VC	VC	C	C	M	M	M
XRC11002	M	F	F	F	F	F	F
XRC110025	M	M	F	F	F	F	F
XRC11003	M	M	M	F	F	F	F
XRC11004	M	M	M	M	M	F	F
XRC11005	M	M	M	M	M	F	F
XRC11006	C	M	M	M	M	M	F
XRC11008	C	C	C	C	M	M	M
XRC11010	VC	C	C	C	M	M	M
XRC11015	VC	VC	VC	VC	C	C	C
XRC11020	XC	XC	XC	VC	VC	VC	VC

PLUMBING DIAGRAMS

The following diagrams have been developed to serve as a guideline for plumbing agricultural sprayers. Similar manual valves may be substituted for electric valves. However, the sequence in which these valves occur should remain the same. Note that one of the most common causes of premature valve failure is improper installation.

POSITIVE DISPLACEMENT PUMP

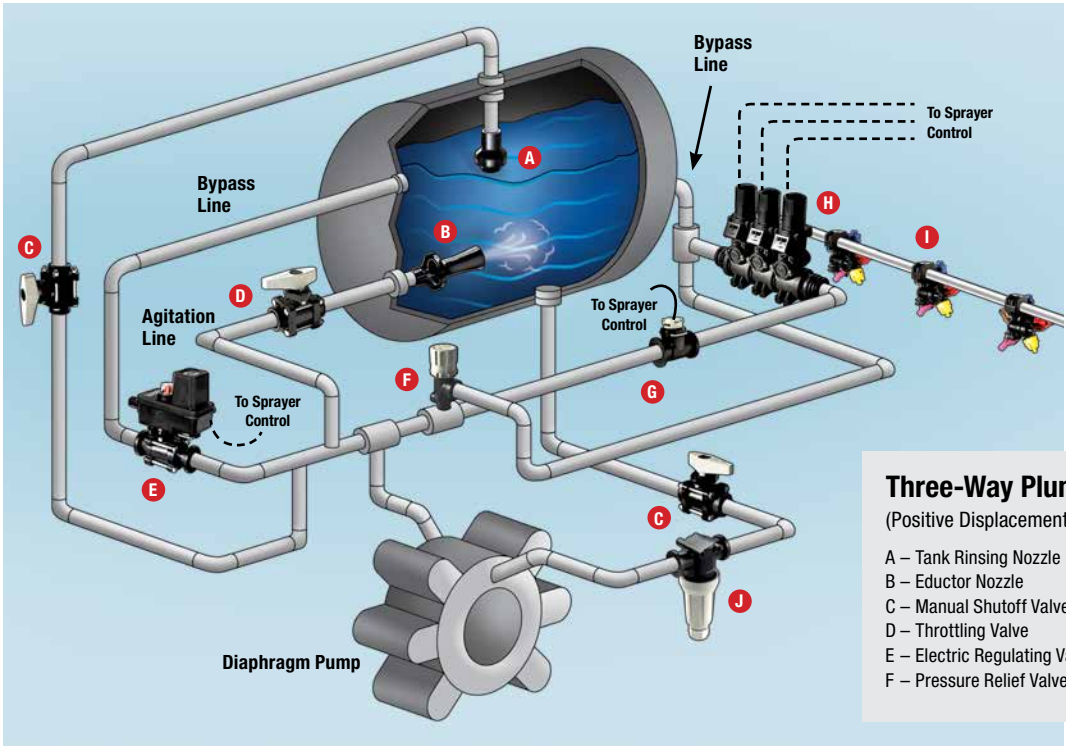
Piston, roller and diaphragm pumps are all types of positive displacement pumps. This means that pump output is proportional to speed and virtually independent of pressure. A key component in a positive displacement system is the pressure relief valve. Proper placement and sizing of the pressure relief valve is essential for safe and accurate operation of a positive displacement pump.



Two-Way Plumbing Diagram

(Positive Displacement)

A – Tank Rinsing Nozzle
B – Eductor Nozzle
C – Manual Shutoff Valve
D – Throttling Valve
E – Electric Regulating Valve
F – Pressure Relief Valve
G – Flowmeter
H – 2-Way Boom Control Manifold
I – Nozzle Bodies & Spray Tips
J – Line Strainer



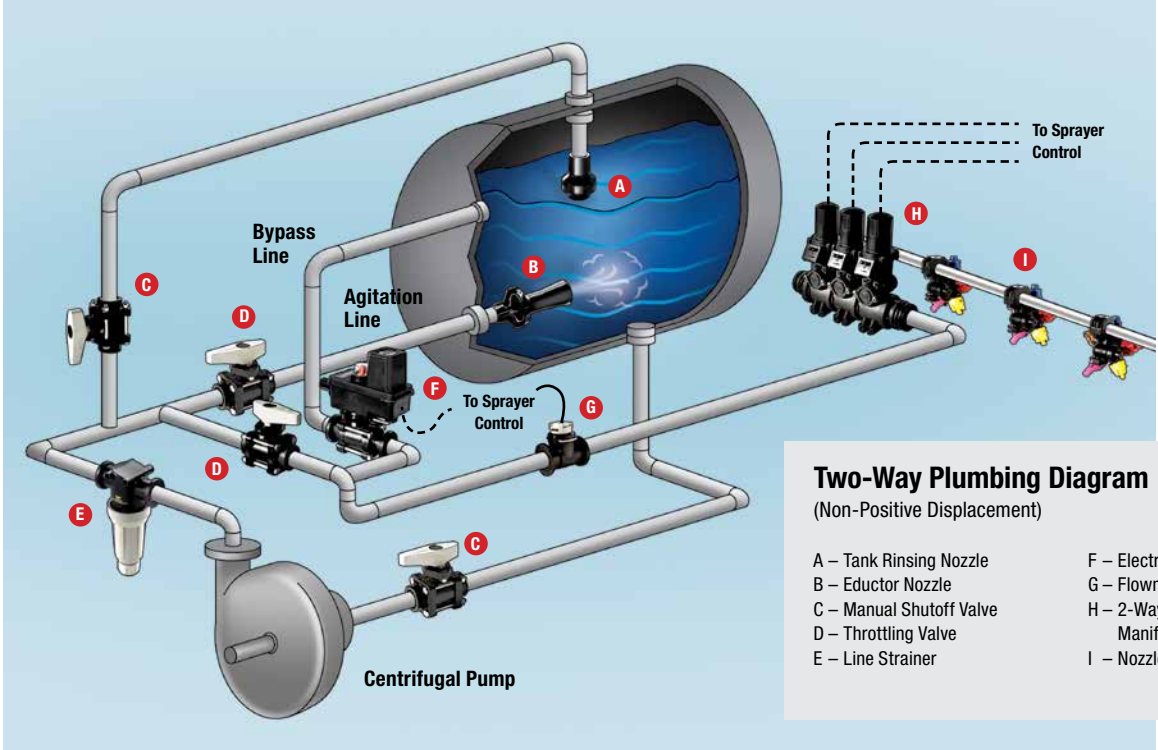
Three-Way Plumbing Diagram

(Positive Displacement)

A – Tank Rinsing Nozzle
B – Eductor Nozzle
C – Manual Shutoff Valve
D – Throttling Valve
E – Electric Regulating Valve
F – Pressure Relief Valve
G – Flowmeter
H – 3-Way Boom Control Manifold
I – Nozzle Bodies & Spray Tips
J – Line Strainer

NON-POSITIVE DISPLACEMENT PUMP

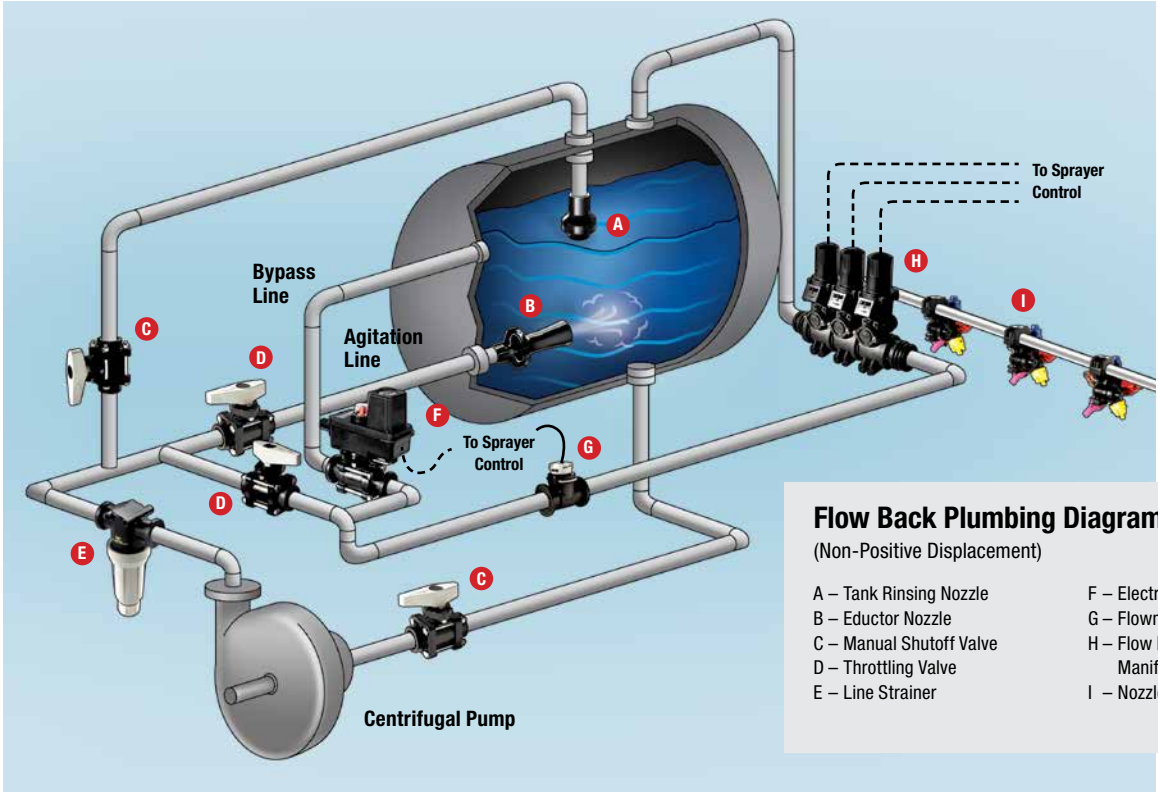
The centrifugal pump is the most common non-positive displacement pump. The output from this type of pump is influenced by pressure. This pump is ideal for delivering large volumes of liquid at low pressures. A key component of the centrifugal pump is the throttling valve. A manual throttling valve on the main output line is essential for the accurate operation of the centrifugal pump.



Two-Way Plumbing Diagram

(Non-Positive Displacement)

A – Tank Rinsing Nozzle
B – Eductor Nozzle
C – Manual Shutoff Valve
D – Throttling Valve
E – Line Strainer
F – Electric Regulating Valve
G – Flowmeter
H – 2-Way Boom Control Manifold
I – Nozzle Bodies & Spray Tips



Flow Back Plumbing Diagram

(Non-Positive Displacement)

A – Tank Rinsing Nozzle
B – Eductor Nozzle
C – Manual Shutoff Valve
D – Throttling Valve
E – Line Strainer
F – Electric Regulating Valve
G – Flowmeter
H – Flow Back Boom Control Manifold
I – Nozzle Bodies & Spray Tips

TURBO TEEJET® – WIDE ANGLE FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for Turbo TeeJet tips.

FEATURES:

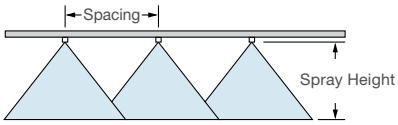
- Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying.
- Large, rounded internal passage to minimize clogging. Excellent resistance to corrosive solutions.
- Superior wear characteristics.
- Larger droplets for less drift — 15–90 PSI (1–6 bar).
- Automatic spray alignment with 25612-*-NYR Quick TeeJet® cap and gasket. Reference page 80 for more information.
- Unique internal configuration means substantially longer wear life.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20" GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51406072	TT11001-VP	15	C	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08
		20	C	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10
		30	M	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12
		40	M	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
		50	M	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		60	F	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
		75	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		90	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
51406071	TT110015-VP	15	VC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
		20	C	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		30	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		40	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		75	F	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		90	F	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
51406074	TT11002-VP	15	VC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
		20	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		75	F	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37
		90	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
51406073	TT110025-VP	15	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		75	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		90	F	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
51406075	TT11003-VP	15	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		75	M	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56
		90	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
51406076	TT11004-VP	15	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		75	M	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75
		90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
51406077	TT11005-VP	15	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	VC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		75	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92
		90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
51406078	TT11006-VP	15	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		30	VC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	C	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		75	C	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1
		90	M	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
51406079	TT11008-VP	15	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		30	VC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
		40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50	C	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60	C	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
		75	M	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5
		90	M	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6

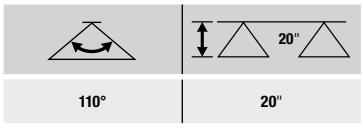
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
VERY GOOD	VERY GOOD	VERY GOOD
GOOD*	EXCELLENT*	VERY GOOD*

*At pressures below 30 PSI (2.0 bar)



OPTIMUM SPRAY HEIGHT



HOW TO ORDER:

Specify tip number. Example:

TT11001-VP – Polymer with VisiFlo® color-coding

TT11002-VP-C – Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

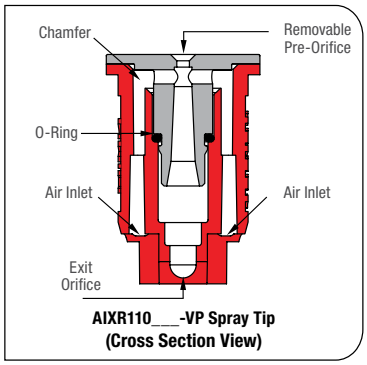
AIXR TEEJET® – AIR INDUCTION XR FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for AIXR TeeJet tips.

FEATURES:

- 110° wide, tapered flat spray angle with air induction technology offers better drift management.
- Made of a two-piece UHMWPE polymer construction with VisiFlo® color-coding. UHMWPE provides excellent chemical resistance, including acids, as well as exceptional wear life.
- Compact size to prevent tip damage.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator.
- Removable pre-orifice.
- Available in seven tip capacities with a wide operating pressure range: 15–90 PSI (1–6 bar).
- Automatic alignment when used with 25612-*-NYR Quick TeeJet® cap and gasket. Reference page 80 for more information.

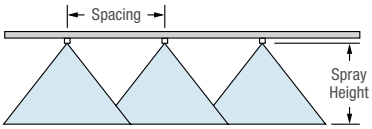


AIXR110___-VP Spray Tip (Cross Section View)

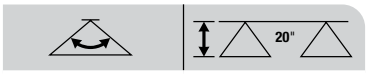
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20" GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51403767	AIXR110015VP	15	XC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
		20	XC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		30	C	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		40	C	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		75	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		90	M	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
51403771	AIXR11002VP	15	XC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
		20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		75	M	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37
		90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
51403769	AIXR110025VP	15	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		30	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		75	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
51403773	AIXR11003VP	15	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		75	C	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56
		90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
51403775	AIXR11004VP	15	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		75	C	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75
		90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
51403777	AIXR11005VP	15	UC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		20	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		75	C	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92
		90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
51403779	AIXR11006VP	15	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		20	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		30	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		75	C	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1
		90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



OPTIMUM SPRAY HEIGHT



110°	20"

HOW TO ORDER:

Specify tip number. Example:

AIXR11004VP – Polymer with VisiFlo® color-coding

AIXR11003VP-C – Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

AI TEEJET® – AIR INDUCTION FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for AI TeeJet tips.

FEATURES:

- Stainless steel insert produces a tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- Polymer insert holder and pre-orifice with VisiFlo® color-coding.
- Larger droplets for less drift.
- Available in eight capacities with a recommended pressure rating 30–115 PSI (2–8 bar).

- Depending on the chemical, produces large air-filled drops through the use of a Venturi air aspirator.
- Automatic spray alignment with 25598-*-NYR Quick TeeJet® cap and gasket. Reference page 80 for more information.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA 4 MPH	GPA 5 MPH	GPA 6 MPH	GPA 8 MPH	GPA 10 MPH	GPA 12 MPH	GPA 15 MPH	GPA 20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	GALLONS PER 1000 SQ. FT. 3 MPH	GALLONS PER 1000 SQ. FT. 4 MPH	GALLONS PER 1000 SQ. FT. 5 MPH
51403691 51403683	AI80015VS AI110015-VS	30	UC	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		40	XC	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	XC	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	XC	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		70	VC	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		80	VC	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		90	VC	C	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
		100	C	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51403693 51403685	AI8002VS AI11002-VS	30	UC	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	XC	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	XC	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	XC	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		70	VC	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		80	VC	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		90	VC	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		100	C	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44
51403692 51403684	AI80025VS AI110025-VS	30	UC	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	XC	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	XC	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	XC	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		70	VC	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
		80	VC	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		90	VC	VC	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
		100	VC	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
51403694 51403686	AI8003VS AI11003-VS	30	UC	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	XC	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	XC	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	XC	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		70	VC	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		80	VC	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		90	VC	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		100	VC	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
51403695 51403687	AI8004VS AI11004-VS	30	UC	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	XC	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	XC	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	XC	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		70	VC	VC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
		80	VC	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		90	VC	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		100	C	C	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86
51403696 51403688	AI8005VS AI11005-VS	30	UC	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	UC	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	XC	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	XC	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		70	XC	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
		80	VC	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		90	VC	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
		100	VC	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
51403697 51403689	AI8006VS AI11006-VS	30	UC	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	UC	UC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	UC	XC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	XC	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		70	XC	XC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
		80	XC	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
		90	XC	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
		100	XC	VC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3
51403690	AI11008-VS	30		UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
		40		UC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50		XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60		XC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
		70		XC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
		80		VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
		90		VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
		100		VC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

Note: Due to the pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT

OPTIMUM SPRAY HEIGHT

	20"
80°	30"
110°	20"

HOW TO ORDER:

Specify tip number. Example:

AI11004-VS – Stainless Steel with VisiFlo color-coding

AIC TEEJET® — AIR INDUCTION FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

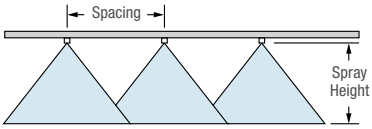
See selection guide on page 4 for recommended typical applications for AIC TeeJet tips.

FEATURES:

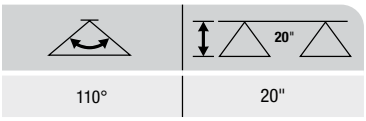
- Produces a 110° tapered edge flat spray pattern for uniform coverage in broadcast spraying applications.
- Available with a polymer insert holder with stainless steel (015–15 capacities), ceramic (025–05 capacities) or polymer (02–10 capacities) inserts.
- Depending on the chemical, produces large air-filled drops through the use of a Venturi air aspirator.
- AI TeeJet nozzle molded into Quick TeeJet® cap provides automatic spray alignment.
- Includes tightly fitting washer that stays put and assures a good seal.
- Recommended pressure rating 30–115 PSI (2–8 bar).
- Larger droplets for less drift.

Note: Due to the pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



OPTIMUM SPRAY HEIGHT



HOW TO ORDER:

Specify tip number. Example:

AIC11004-VS – Stainless Steel with VisiFlo® color-coding

AIC11003-VP – Polymer with VisiFlo color-coding

AIC11003-VK – Ceramic with VisiFlo color-coding

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA 4 MPH	GPA 5 MPH	GPA 6 MPH	GPA 8 MPH	GPA 10 MPH	GPA 12 MPH	GPA 15 MPH	GPA 20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	GALLONS PER 1000 SQ. FT. 3 MPH	GALLONS PER 1000 SQ. FT. 4 MPH	GALLONS PER 1000 SQ. FT. 5 MPH
51403706	AIC110015-VS	30	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		40	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		70	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		80	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		90	C	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
		100	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51403714 51403716	AIC11002-VP AIC11002-VS	30	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		70	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		80	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.0	0.63	0.48	0.38
		90	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		100	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44
51403709 51403710 51403712	AIC110025-VK AIC110025-VP AIC110025-VS	30	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		70	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
		80	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		90	VC	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
		100	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
51403718 51403719 51403721	AIC11003-VK AIC11003-VP AIC11003-VS	30	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		70	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		90	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		100	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
51403723 51403725 51403727	AIC11004-VK AIC11004-VP AIC11004-VS	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		70	VC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
		80	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		90	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		100	C	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86
51403729 51403730 51403732	AIC11005-VK AIC11005-VP AIC11005-VS	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		70	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
		80	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		90	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
		100	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
51403735 51403736	AIC11006-VP AIC11006-VS	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	UC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	XC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		70	XC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
		80	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
		90	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
		100	VC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3
51403738 51403739	AIC11008-VP AIC11008-VS	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
		40	UC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60	XC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
		70	XC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
		80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
		90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
		100	VC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7
51403741 51403742	AIC11010-VP AIC11010-VS	30	UC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
		40	UC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
		50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
		60	XC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
		70	XC	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8
		80	XC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9
		90	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
		100	VC	1.58	202	117	94	78	59	47	39	31	23	5.4	3.6	2.7	2.1
51403744	AIC11015-VS	30	UC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
		40	UC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
		50	XC	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
		60	XC	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5
		70	XC	1.98	253	147	118	98	74	59	49	39	29	6.7	4.5	3.4	2.7
		80	XC	2.12	271	157	126	105	79	63	52	42	31	7.2	4.8	3.6	2.9
		90	VC	2.25	288	167	134	111	84	67	56	45	33	7.7	5.1	3.8	3.1
		100	VC	2.37	303	176	141	117	88	70	59	47	35	8.1	5.4	4.0	3.2

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for drop size classification, useful formulas and other information.

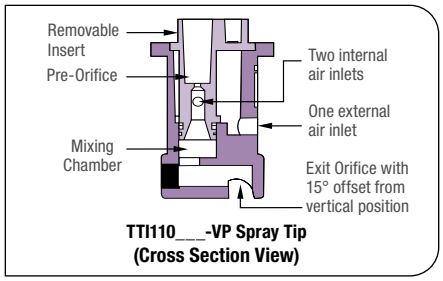
TURBO TEEJET® INDUCTION – FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for Turbo TeeJet Induction tips.

FEATURES:

- 110° wide angle, air induction, tapered flat spray tip pattern based on the patented outlet orifice design of the original Turbo TeeJet® nozzle.
- Patented orifice design provides large, round passages to minimize plugging.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator resulting in less drift.
- All polymer construction for excellent chemical and wear resistance.
- Compact size to prevent tip damage.
- Removable pre-orifice.
- Ideal for use with automatic sprayer controllers.



TTI110___-VP Spray Tip (Cross Section View)

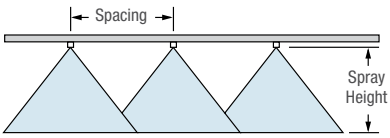
Note: Due to pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

- Wide operating pressure range: 15–100 PSI (1–7 bar).
- Automatic alignment when used with 25598-*-NYR Quick TeeJet® cap and gasket. See page 80 for additional information.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20" GPA 4 MPH	GPA 5 MPH	GPA 6 MPH	GPA 8 MPH	GPA 10 MPH	GPA 12 MPH	GPA 15 MPH	GPA 20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51406080	TTI110015-VP	15	UC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
		20	UC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		30	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		40	UC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		70	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		80	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		90	XC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
		100	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51406084	TTI11002-VP	15	UC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
		20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	UC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		70	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		80	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		90	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		100	XC	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44
51406082	TTI110025-VP	15	UC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		30	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	UC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	UC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		70	XC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
		80	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		90	XC	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
		100	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
51406086	TTI11003-VP	15	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	UC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	UC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		70	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		80	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		90	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		100	XC	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
51406088	TTI11004-VP	15	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	UC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	UC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		70	XC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
		80	XC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		90	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		100	XC	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86
51406090	TTI11005-VP	15	UC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	UC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	UC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		70	XC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
		80	XC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		90	XC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
		100	XC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
51406092	TTI11006-VP	15	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	UC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	UC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	UC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		70	XC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
		80	XC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
		90	XC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
		100	XC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	EXCELLENT	EXCELLENT



OPTIMUM SPRAY HEIGHT

110°	20"

HOW TO ORDER:

Specify tip number. Example:

TTI11004-VP – Polymer with VisiFlo® color-coding

TTI11003-VP-C – Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

XR TEEJET® – EXTENDED RANGE FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for XR TeeJet tips.

FEATURES:

- Excellent spray distribution over a wide range of pressures—15–60 PSI (1–4 bar).
- Ideal for rigs equipped with sprayer controllers.
- Reduces drift at lower pressures, better coverage at higher pressures.
- Available in stainless steel, ceramic and polymer in 80° and 110° spray angles with VisiFlo® color-coding.
- Ceramic is available with corrosive-resistant polypropylene VisiFlo color-coded tip holder in 80° capacities 03–08 and 110° capacities 02–08.
- XR110025 only available in VK.
- XR80025 and XR80035 only available in VS.
- Brass available in 110° only.
- Automatic spray alignment with 25612-*-NYR Quick TeeJet® cap and gasket. Reference page 80 for more information.
- Automatic spray alignment for sizes 10 and 15 with 25610-*-NYR Quick TeeJet cap and gasket. Reference page 80 for more information.

At 15 PSI (1 bar) Pressure | At 60 PSI (4 bar) Pressure

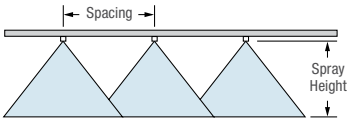
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA (20") 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51406167 51406143	XR8001VS XR11001VS	15	F	F	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08
		20	F	F	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10
		30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12
		40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
		50	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		60	F	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
51406166 51406142	XR80015VS XR110015VS	15	M	F	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
		20	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
51406169 51406145 51406146 51406148	XR8002VS XR11002-VK XR11002-VP XR11002-VS	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
		20	M	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51406144	XR110025-VK	15	M	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		20	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		30	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
51406171 51406172 51406149 51406150 51406151	XR8003-VK XR8003VS XR11003-VK XR11003-VP XR11003-VS	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	F	F	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
51406170	XR80035VS	15	M		0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		20	M		0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		30	M		0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		40	M		0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		50	F		0.39	50	29	23	19.3	14.5	11.6	9.7	7.7	5.8	1.3	0.88	0.66	0.53
		60	F		0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
51406173 51406174 51406152 51406153 51406154	XR8004-VK XR8004VS XR11004-VK XR11004-VP XR11004-VS	15	C	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.0	0.63	0.48	0.38
		30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
51406176 51406175 51406155 51406156 51406157	XR8005VS XR8005-VK XR11005-VK XR11005-VP XR11005-VS	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		20	C	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
51406177 51406178 51406158 51406159 51406160	XR8006-VK XR8006VS XR11006-VK XR11006-VP XR11006-VS	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		20	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	1.0	0.71	0.57
		30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	M	F	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
51406179 51406180 51406161 51406162 51406163	XR8008-VK XR8008VS XR11008-VK XR11008-VP XR11008-VS	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		20	VC	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		30	C	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
		40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
51406181 51406164	XR8010SS† XR11010SS†	15	XC	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		20	VC	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
		40	C	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
		50	C	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
		60	C	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
51406182 51406165	XR8015SS† XR11015SS†	15	XC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3
		20	XC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
		30	VC	VC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
		40	VC	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
		50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
		60	C	C	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

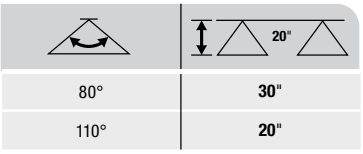
†Available in all stainless steel only.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	GOOD	GOOD
GOOD*	VERY GOOD*	VERY GOOD*

*At pressures below 30 PSI (2.0 bar)



OPTIMUM SPRAY HEIGHT



80°	30"
110°	20"

HOW TO ORDER:

Specify tip number. Example:

XR8004VS – Stainless Steel with VisiFlo color-coding

XR11004-VP – Polymer with VisiFlo color-coding (110° only)

XR11004-VK – Ceramic with polypropylene VisiFlo color-coding

XR8010SS – Stainless Steel

XR11004VB – Brass with VisiFlo color-coding (110° only)

XRC TEEJET® – EXTENDED RANGE FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for XRC TeeJet tips.

FEATURES:

- Excellent spray distribution over a wide range of pressures—15–60 PSI (1–4 bar).
- Ideal for rigs equipped with sprayer controllers.
- Reduces drift at lower pressures, better coverage at higher pressures.
- 80° available in stainless steel (015, 02, 03–06 capacities) and ceramic (02, 03–08 capacities).
- 110° available in stainless steel (025–05 capacities), ceramic (02–08 capacities) and polymer (025–20 capacities).
- XR TeeJet tip molded into Quick TeeJet® cap provides automatic spray alignment.
- Includes tightly fitting washer that stays put and assures a good seal.

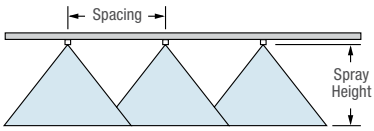
At 15 PSI (1 bar) Pressure — At 60 PSI (4 bar) Pressure

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA 4 MPH	GPA 5 MPH	GPA 6 MPH	GPA 8 MPH	GPA 10 MPH	GPA 12 MPH	GPA 15 MPH	GPA 20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	GALLONS PER 1000 SQ. FT. 3 MPH	GALLONS PER 1000 SQ. FT. 4 MPH	GALLONS PER 1000 SQ. FT. 5 MPH
51406215	XRC80015-VS	15	M		0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
		20	F		0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		30	F		0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		40	F		0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	F		0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	F		0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
51406217 51406218 51406188	XRC8002-VK XRC8002-VS XRC11002-VK	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
		20	M	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51406183 51406184 51406186	XRC110025-VK XRC110025-VP XRC110025-VS	15		M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		20		M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		30		F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40		F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50		F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60		F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
51406220 51406221 51406190 51406192 51406193	XRC8003-VK XRC8003-VS XRC11003-VK XRC11003-VP XRC11003-VS	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	F	F	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
51406223 51406224 51406195 51406197 51406199	XRC8004-VK XRC8004-VS XRC11004-VK XRC11004-VP XRC11004-VS	15	C	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
51406226 51406227 51406201 51406203 51406204	XRC8005-VK XRC8005-VS XRC11005-VK XRC11005-VP XRC11005-VS	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		20	C	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
51406229 51406230 51406206 51406208	XRC8006-VK XRC8006-VS XRC11006-VK XRC11006-VP	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		20	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	M	F	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
51406232 51406209 51406211	XRC8008-VK XRC11008-VK XRC11008-VP	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		20	VC	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		30	C	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
		40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
51406212	XRC11010-VP	15		VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		20		C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		30		C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
		40		M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
		50		M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
		60		M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
51406213	XRC11015-VP	15		VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3
		20		VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
		30		VC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
		40		C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
		50		C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
		60		C	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5
51406214	XRC11020-VP	15		XC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
		20		XC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9
		30		VC	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4
		40		VC	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7
		50		VC	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0
		60		VC	2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	GOOD	GOOD
GOOD*	VERY GOOD*	VERY GOOD*

*At pressures below 30 PSI (2.0 bar)



OPTIMUM SPRAY HEIGHT

	20"
80°	30"
110°	20"

HOW TO ORDER:

Specify tip number. Example:

XRC11004-VS – Stainless Steel with VisiFlo® color-coding

XRC11004-VP – Polymer with VisiFlo color-coding

XRC11004-VK – Ceramic with VisiFlo color-coding

TEEJET® — VISIFLO® FLAT SPRAY TIPS

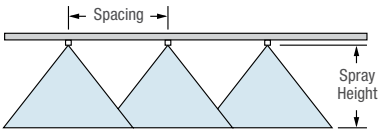
FEATURES:

- Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- VisiFlo color-coded version available in stainless steel, ceramic and polymer in 80° or 110° spray angles in selected sizes.
- Available in ceramic 80° capacities 01–02 and 110° capacities 01–015. See XR and XRC TeeJet® tips on page 33–34 for larger capacities.
- See page 53 for TeeJet even flat spray tips.
- Standard version (not color-coded) available in 15°, 25°, 40°, 50° and 65° spray angles in brass, stainless steel or hardened stainless steel.
- Automatic spray alignment with 25612-*-NYR Quick TeeJet® cap and gasket. Reference page 75 for more information.
- Automatic spray alignment for sizes 10 through 20 with 25610-*-NYR Quick TeeJet cap and gasket. Reference page 80 for more information.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20" GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51405999 51406001 51405954 51405956	TP8001-SS TP8001 TP11001-SS TP11001VS	35	F	F	0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13
		40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
		50	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
		60	F	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
51405995 51405996 51405950 51405952 51405953 51405991	TP80015VP TP80015VS TP110015-SS TP110015VP TP110015VS TP80015	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		35	F	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
51406002 51405957	TP8002 TP11002	35	F	F	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
		40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51406008 TP8003E	TP8003 TP11003	35	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
51406014 51405965	TP8004 TP11004	35	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
51406021 51405969 51405970 51405971	TP8005 TP11005-SS TP11005VP TP11005-VS	35	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
		40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
51406028 51405972 51405973 51405974	TP8006 TP11006-SS TP11006VP TP11006-VS	35	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	M	F	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
51406035 51405976 51405977 51405978	TP8008 TP11008-SS TP11008VP TP11008-VS	35	C	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
		40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
51406042	TP8010†	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
		35	C	C	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3
		40	C	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
		50	C	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
		60	C	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
51406046	TP8015†	30	VC	VC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
		35	VC	C	1.40	179	104	83	69	52	42	35	28	21	4.8	3.2	2.4	1.9
		40	VC	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
		50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
		60	C	C	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5
51406050 51405983	TP8020† TP11020-SS†	30			1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4
		35			1.87	239	139	111	93	69	56	46	37	28	6.4	4.2	3.2	2.5
		40			2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7
		50			2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0
		60			2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

†Available in brass and/or stainless steel and/or hardened stainless steel.



OPTIMUM SPRAY HEIGHT

	20"
65°	35"
80°	30"
110°	20"

HOW TO ORDER:

Specify tip number. Example:

TP8002VS – Stainless Steel with VisiFlo color-coding

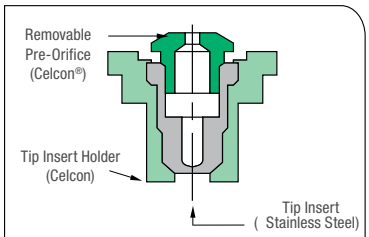
TP11002VP – Polymer with VisiFlo color-coding

TP11002-HSS – Hardened Stainless Steel

TP8002-SS – Stainless Steel

TP8002 – Brass

DG TEEJET® – DRIFT GUARD FLAT SPRAY TIPS



Cross Section View

FEATURES:

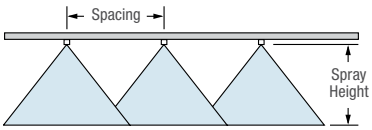
- Pre-orifice design produces larger droplets and reduces the small drift-prone droplets, minimizing off-target spray contamination.
- Tapered edge flat spray pattern provides uniform coverage when adjacent nozzle patterns are overlapped in broadcast spraying.
- The color-coded pre-orifice is removable for any necessary cleaning operations.
- Available in both 80° and 110° spray angles with a durable stainless steel orifice.
- Automatic spray alignment with 25612-*-NYR Quick TeeJet® cap and gasket. Reference page 80 for more information.

Note: Due to the pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE		CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20" GPA								GALLONS PER 1000 SQ. FT.			
			80°	110°			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
51405238 51405228 51405229	DG80015VS† DG110015-VP DG110015-VS	30	M	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		35	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		40	M	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	M	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
51405239 51405230 51405231	DG8002VS† DG11002-VP DG11002-VS	30	M	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		35	M	M	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
		40	M	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51405240 51405232 51405233	DG8003VS† DG11003-VP DG11003-VS	30	C	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		35	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		40	M	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	M	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
51405241 51405234 51405235	DG8004† DG11004-VP DG11004-VS	30	C	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		35	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		40	C	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	M	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	M	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
51405242 51405236 51405237	DG8005VS† DG11005-VP DG11005-VS	30	C	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		35	C	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
		40	C	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	M	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

†Available in VisiFlo stainless steel only.



OPTIMUM SPRAY HEIGHT

	20"
80°	30"
110°	20"

HOW TO ORDER:

Specify tip number. Example:

DG8002VS – Stainless Steel with VisiFlo® color-coding

DG11002-VP – Polymer with VisiFlo color-coding

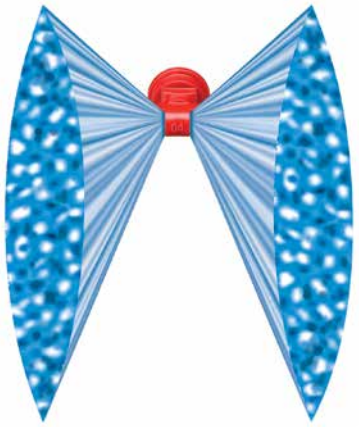
TURBO TWINJET® – TWIN FLAT SPRAY TIPS

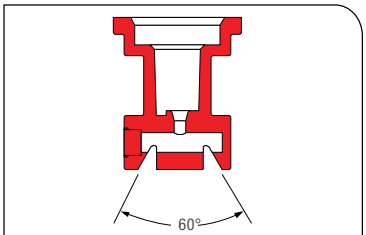
TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for Turbo TwinJet tips.

FEATURES:

- Dual outlet design produces two 110° flat fan spray patterns using the patented technology from the Turbo TeeJet® nozzle. The angle between each spray pattern is 60° forward and back.
- Best suited for broadcast spraying where superior leaf coverage and canopy penetration is important.
- Droplet size range is slightly larger than for the same capacity Turbo TeeJet nozzle providing drift-reducing properties with increased canopy coverage and penetration.
- Molded polymer for excellent chemical and wear resistance.
- Available in six VisiFlo® color-coded capacities with pressure ranges from 20–90 PSI (1.5–6 bar).
- Ideal for use with automatic sprayer controllers.
- Automatic alignment when used with 25612-*-NYR Quick TeeJet® cap and gasket. See page 80 for additional information.





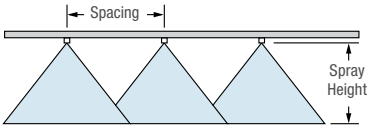
TTJ60-110___VP Spray Tip
(Cross Section View)

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN	GPA 20" 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51406095	TTJ60-11002VP	20	C	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
51406094	TTJ60-110025VP	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	C	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		70	M	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
		80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
51406096	TTJ60-11003VP	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		80	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
51406097	TTJ60-11004VP	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
		80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
51406098	TTJ60-11005VP	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
		80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
51406099	TTJ60-11006VP	20	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		30	VC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	C	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		70	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
		80	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
		90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2

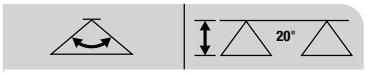
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	EXCELLENT	VERY GOOD
VERY GOOD*	EXCELLENT*	EXCELLENT*

*At pressures below 30 PSI (2.0 bar)



OPTIMUM SPRAY HEIGHT



110°	20"

HOW TO ORDER:

Specify tip number. Example:

TTJ60-11004VP – Polymer with VisiFlo® color-coding

TTJ60-11003VP-C – Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

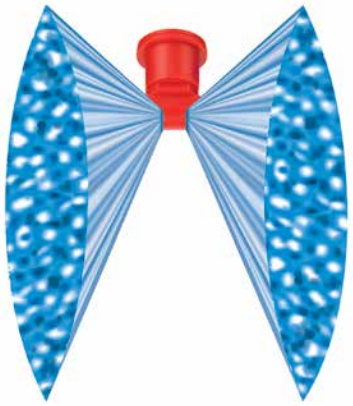
AIR INDUCTION TURBO TWINJET® – TWIN FLAT SPRAY TIPS

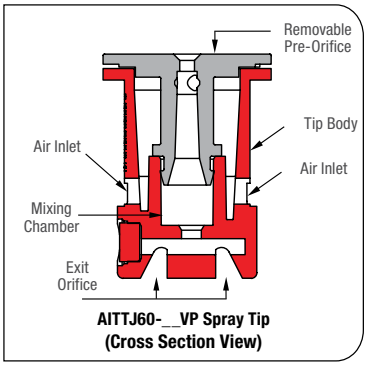
TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for Air Induction Turbo TwinJet tips.

FEATURES:

- Air induction with dual 110° flat fan patterns
- 60° between leading and trailing spray patterns
- Good coverage with increased canopy penetration and best drift control
- Best suited for postemergence applications
- Excellent drift control with coarse to very coarse droplets
- Available in nine VisiFlo® color coded capacities (02 through 15)—color represents total flow
- Pressure ranges from 20–90 PSI (1.5–6 bar)
- Automatic spray alignment when used with 25598-*-NYR (02–06) or 98579-1-NYR (08–15) Quick TeeJet® cap and gasket. See page 80 for additional information.



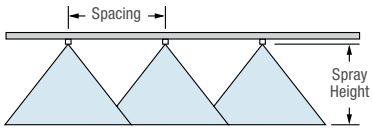


AITTJ60-__VP Spray Tip (Cross Section View)

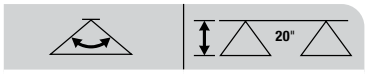
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA								GALLONS PER 1000 SQ. FT.			
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
51403746	AITTJ60-11002VP	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		70	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		90	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
51403745	AITTJ60-110025VP	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
		50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
		80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
51403747	AITTJ60-11003VP	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
51403748	AITTJ60-11004VP	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
		80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
51403749	AITTJ60-11005VP	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
		80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
51403750	AITTJ60-11006VP	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		30	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		70	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
		80	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
		90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



OPTIMUM SPRAY HEIGHT



110°	20"

HOW TO ORDER:

Specify tip number. Example:

AITTJ60-11004VP – Polymer with VisiFlo® color-coding

AITTJ60-11004VP-C – Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

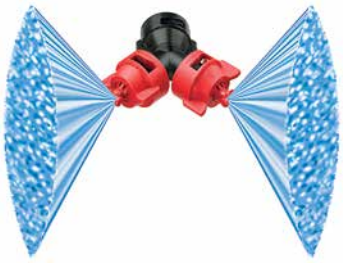
TURBO TEEJET DUO® – DUAL POLYMER FLAT FAN SPRAY TIPS

FEATURES:

- Two Turbo TeeJet tapered edge flat fan spray tips using a QJ90-2-NYR adapter to produce a twin-type pattern spraying forward and back. See page 4 for more information on Turbo TeeJet spray tips.
- Provides more versatility than the standard twin-type spray tip. Depending on the Turbo TeeJet tip orientation, a 60°, 90° or 120° included angle can be achieved.
- Best suited for broadcast spraying where superior leaf coverage and canopy penetration is important.
- QJ90 adapter and Quick TeeJet® caps are made of nylon. Turbo TeeJet tips are made of Acetal for excellent wear life and chemical resistance. See page 84 for additional information about the QJ90-2-NYR adapter.
- Ideal for use with automatic sprayer controls.
- Recommended operating pressure range is 15–90 PSI (1–6 bar).
- Quick TeeJet caps (included) are colored to match the VisiFlo® color-coding of spray tips. See page 80 for additional information.

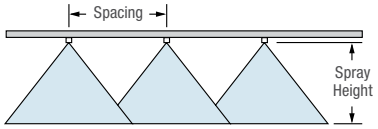
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE TT DUO IN GPM	CAPACITY ONE TT DUO IN OZ./MIN.	20" GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51405787	QJ90-2XTT11001-VP	15	C	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
		20	C	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		30	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		75	F	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37
		90	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
51405786	QJ90-2XTT110015VP	15	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
		20	C	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
		30	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		40	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		75	F	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56
		90	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
51405789	QJ90-2XTT11002-VP	15	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
		20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		40	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		75	F	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75
		90	F	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
51405788	QJ90-2XTT110025-VP	15	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
		20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
		40	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
		50	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		75	F	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92
		90	F	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
51405790	QJ90-2XTT11003-VP	15	VC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
		30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		75	M	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1
		90	F	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
51405791	QJ90-2XTT11004-VP	15	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
		20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
		30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
		40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
		75	M	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5
		90	M	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
51405792	QJ90-2XTT11005-VP	15	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
		20	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
		30	VC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
		40	C	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
		50	C	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
		60	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
		75	M	1.37	175	102	81	68	51	41	34	27	20	4.7	3.1	2.3	1.9
		90	M	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
51405793	QJ90-2XTT11006-VP	15	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
		20	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
		30	VC	1.04	133	77	62	51	39	31	26	21	15.4	3.5	2.4	1.8	1.4
		40	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
		50	C	1.34	172	99	80	66	50	40	33	27	19.9	4.6	3.0	2.3	1.8
		60	C	1.47	188	109	87	73	55	44	36	29	22	5.0	3.3	2.5	2.0
		75	M	1.64	210	122	97	81	61	49	41	32	24	5.6	3.7	2.8	2.2
		90	M	1.80	230	134	107	89	67	53	45	36	27	6.1	4.1	3.1	2.4
51405794	QJ90-2XTT11008-VP	15	XC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
		20	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
		30	VC	1.39	178	103	83	69	52	41	34	28	21	4.7	3.2	2.4	1.9
		40	C	1.60	205	119	95	79	59	48	40	32	24	5.4	3.6	2.7	2.2
		50	C	1.79	229	133	106	89	66	53	44	35	27	6.1	4.1	3.0	2.4
		60	C	1.96	251	146	116	97	73	58	49	39	29	6.7	4.4	3.3	2.7
		75	M	2.19	280	163	130	108	81	65	54	43	33	7.4	5.0	3.7	3.0
		90	M	2.40	307	178	143	119	89	71	59	48	36	8.2	5.4	4.1	3.3

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.



CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	EXCELLENT	VERY GOOD
VERY GOOD*	EXCELLENT*	EXCELLENT*

*At pressures below 30 PSI (2.0 bar)



OPTIMUM SPRAY HEIGHT

110°	20"

HOW TO ORDER:

Specify tip number. Example:

QJ90-2XTT11004-VP – Polymer with VisiFlo® color-coding

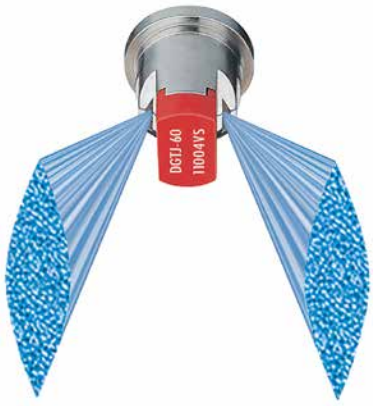
DG TWINJET® – DRIFT GUARD TWIN FLAT SPRAY TIPS

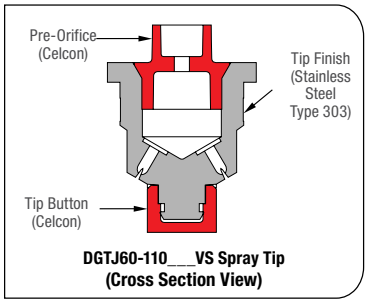
TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for DG TwinJet tips.

FEATURES:

- Dual 110°, tapered edge, flat fan spray patterns spraying 60° forward to back providing uniform coverage in broadcast spraying applications.
- DG TwinJet offers larger droplets and improved drift control compared to a standard TwinJet spray tip of equal capacity.
- Dual angled spray patterns help to better penetrate crop canopy and provide thorough leaf coverage.
- Made of stainless steel with VisiFlo® color-coding for excellent chemical and wear resistance.
- Removable polymer pre-orifice.
- Available in six capacities with a recommended pressure range of 30–60 PSI (2–4 bar).
- Automatic spray alignment when used with 25598-*-NYR Quick TeeJet® cap and gasket. Reference page 80 for more information.

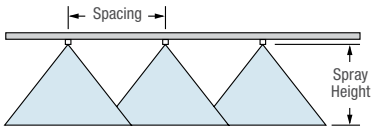




DGTJ60-110___VS Spray Tip (Cross Section View)

Note: Due to pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
VERY GOOD	EXCELLENT	VERY GOOD



OPTIMUM SPRAY HEIGHT

110°	20"

HOW TO ORDER:

Specify tip number. Example:

DGTJ60-11004VS – Stainless Steel with VisiFlo color-coding

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20° GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51405248	DGTJ60-110015VS	30	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
		35	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
		40	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
		50	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		60	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
51405249	DGTJ60-11002VS	30	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
		35	M	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
		40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
		50	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
		60	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
51405250	DGTJ60-11003VS	30	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
		35	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
		40	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
		50	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
		60	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
51405251	DGTJ60-11004VS	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
		35	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
		40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
		50	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
		60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
51405252	DGTJ60-11006VS	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
		35	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
		40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
		50	C	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
		60	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
51405253	DGTJ60-11008VS	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
		35	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
		40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
		50	C	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
		60	C	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

TURBO FLOODJET® – WIDE ANGLE FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

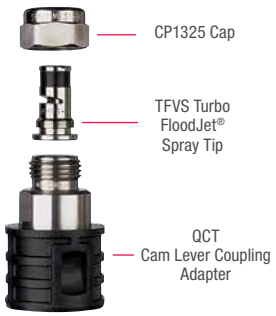
See selection guide on page 4 for recommended typical applications for Turbo FloodJet tips.

FEATURES:

- Excellent spray distribution for uniform coverage along the boom.
- Nozzle design incorporates a pre-orifice to produce larger droplets for less drift.
- Large, round orifice reduces clogging.
- Stainless steel or polymer with VisiFlo® color-coding band for easy size identification.
- Can be used with CP25600-*-NYR Quick TeeJet® cap and gasket for automatic alignment. Reference page 80 for more information.

QCT CAM LEVER COUPLING ADAPTER

- Provides easy changeover from high capacity to lower capacity nozzles.
- Adapter fits standard ¾" Cam lever coupling.
- Corrosion-resistant stainless steel and polypropylene construction.
- Rated up to 100 PSI (7 bar).
- Use QJT-NYB to retrofit to Quick TeeJet.

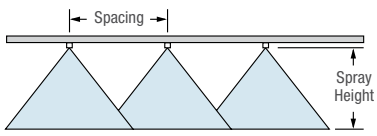


CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
–	VERY GOOD	EXCELLENT

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN	40" GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	20" GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51405841 51405834	TF-VS2 TF-VP2	10	UC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
		20	XC	0.28	36	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.95	0.63	0.48	0.38
		30	XC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
		40	VC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
51405842 51405835	TF-VS2.5 TF-VP2.5	10	UC	0.25	32	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9	0.85	0.57	0.43	0.34
		20	UC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
		30	XC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
		40	XC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
51405843 51405836	TF-VS3 TF-VP3	10	UC	0.30	38	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	1.0	0.68	0.51	0.41
		20	UC	0.42	54	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	1.4	0.95	0.71	0.57
		30	XC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
		40	XC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
51405844 51405837	TF-VS4 TF-VP4	10	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
		20	UC	0.57	73	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2	1.9	1.3	0.97	0.78
		30	XC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
		40	XC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
51405845 51405838	TF-VS5 TF-VP5	10	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
		20	UC	0.71	91	26	21	17.6	13.2	10.5	8.8	7.0	5.3	2.4	1.6	1.2	0.97
		30	UC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
		40	XC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
51405846 51405839	TF-VS7.5 TF-VP7.5	10	UC	0.75	96	28	22	18.6	13.9	11.1	9.3	7.4	5.6	2.6	1.7	1.3	1.0
		20	UC	1.06	136	39	31	26	19.7	15.7	13.1	10.5	7.9	3.6	2.4	1.8	1.4
		30	UC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
		40	XC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
51405840 51405833	TF-VS10 TF-VP10	10	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
		20	UC	1.41	180	52	42	35	26	21	17.4	14.0	10.5	4.8	3.2	2.4	1.9
		30	UC	1.73	221	64	51	43	32	26	21	17.1	12.8	5.9	3.9	2.9	2.4
		40	XC	2.00	256	74	59	50	37	30	25	19.8	14.9	6.8	4.5	3.4	2.7

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

†Specify material.



OPTIMUM SPRAY HEIGHT

20"	24"*
30"	30"*
40"	39"*

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.

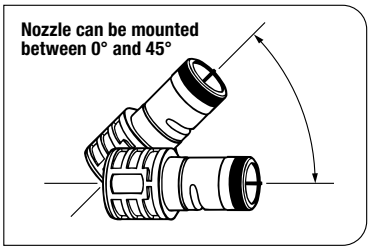
HOW TO ORDER:

Specify tip number. Example:

TF-VS4 – Stainless Steel with VisiFlo color-coding

TF-VP4 – Polymer with VisiFlo color-coding

QUICK TURBO FLOODJET® — WIDE ANGLE FLAT SPRAY TIPS



The revolutionary Quick Turbo FloodJet nozzle combines the precision and uniformity of a flat spray nozzle with the clog-resistance and wide angle pattern of flooding nozzles. It uses an exclusive new design to increase droplet size and distribution uniformity.

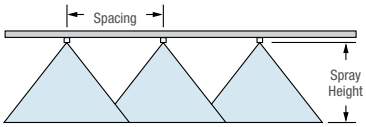
FEATURES:

- Patented turbulence chamber creates a dramatic improvement in pattern uniformity.
- Pre-orifice design produces larger droplets for reduced drift.
- Large, round orifice reduces clogging.
- 1.26" (32 mm) diameter tip body fits into 3/4" cam lever coupling.
- Grooved side molding for automatic alignment.
- Stainless steel with color-coding for easy size identification.
- Available in standard sizes from 1.5 GPM up to 24.0 GPM (6.84 l/min to 94.73 l/min) at pressures of 10–40 PSI (1–3 bar).

HOW TO ORDER:

Specify tip number. Example:

QCTF-VS40 – Stainless Steel with VisiFlo® color-coding



OPTIMUM SPRAY HEIGHT*

40"	40"
60"	60"

*When nozzle is mounted parallel to the ground.

SOIL INCORPORATED	PRE-EMERGENCE	DRIFT MANAGEMENT
EXCELLENT	EXCELLENT	EXCELLENT

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 60" LARGE CAPACITY QUICK FLOODJET NOZZLES TYPICAL SPACING IS 60 INCHES										
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
51405633	QCTF-VS15	10	1.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3
		20	2.12	52	42	35	30	26	23	21	17.5	15.0	13.1	11.7
		30	2.60	64	51	43	37	32	29	26	21	18.4	16.1	14.3
		40	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
51405634	QCTF-VS20	10	2.00	50	40	33	28	25	22	19.8	16.5	14.1	12.4	11.0
		20	2.83	70	56	47	40	35	31	28	23	20	17.5	15.6
		30	3.46	86	69	57	49	43	38	34	29	24	21	19.0
		40	4.00	99	79	66	57	50	44	40	33	28	25	22
51405635	QCTF-VS30	10	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
		20	4.24	105	84	70	60	52	47	42	35	30	26	23
		30	5.20	129	103	86	74	64	57	51	43	37	32	29
		40	6.00	149	119	99	85	74	66	59	50	42	37	33
51405636	QCTF-VS40	10	4.00	99	79	66	57	50	44	40	33	28	25	22
		20	5.66	140	112	93	80	70	62	56	47	40	35	31
		30	6.93	172	137	114	98	86	76	69	57	49	43	38
		40	8.00	198	158	132	113	99	88	79	66	57	50	44
51405637	QCTF-VS50	10	5.00	124	99	83	71	62	55	50	41	35	31	28
		20	7.07	175	140	117	100	87	78	70	58	50	44	39
		30	8.66	214	171	143	122	107	95	86	71	61	54	48
		40	10.00	248	198	165	141	124	110	99	83	71	62	55
51405639	QCTF-VS80	10	8.00	198	158	132	113	99	88	79	66	57	50	44
		20	11.3	280	224	186	160	140	124	112	93	80	70	62
		30	13.9	344	275	229	197	172	153	138	115	98	86	76
		40	16.0	396	317	264	226	198	176	158	132	113	99	88
51405631	QCTF-VS100	10	10.0	248	198	165	141	124	110	99	83	71	62	55
		20	14.1	349	279	233	199	174	155	140	116	100	87	78
		30	17.3	428	343	285	245	214	190	171	143	122	107	95
		40	20.0	495	396	330	283	248	220	198	165	141	124	110
51405632	QCTF-VS120	10	12.0	297	238	198	170	149	132	119	99	85	74	66
		20	17.0	421	337	281	240	210	187	168	140	120	105	94
		30	20.8	515	412	343	294	257	229	206	172	147	129	114
		40	24.0	594	475	396	339	297	264	238	198	170	149	132

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

FLOODJET® – WIDE ANGLE FLAT SPRAY TIPS

HOW TO ORDER:

Specify tip number. Examples:

TK-VS5 – Stainless Steel with VisiFlo® color-coding

TK-VP3 – Polymer with VisiFlo color-coding

1/4K-5 – Brass

TK-SS5 – Stainless Steel

1/8K-SS5 – Stainless Steel

QCK-SS100 – Stainless Steel with VisiFlo color-coding

1/4K FloodJet (1/8" – 1" NPT) | QCK Quick FloodJet® | TK-VP FloodJet® | TK-VS FloodJet

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 40" 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH
51405899	TK-SS.50	10	0.050	—	—	—	—	—	—	—	—
		20	0.071	2.6	2.1	1.8	1.3	1.1	0.88	0.70	0.53
		30	0.087	3.2	2.6	2.2	1.6	1.3	1.1	0.86	0.65
		40	0.10	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74
51405900	TK-SS.75	10	0.075	2.8	2.2	1.9	1.4	1.1	0.93	0.74	0.56
		20	0.11	4.1	3.3	2.7	2.0	1.6	1.4	1.1	0.82
		30	0.13	4.8	3.9	3.2	2.4	1.9	1.6	1.3	0.97
		40	0.15	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1
51405901 51405919	TK-SS1 TK-VP1	10	0.10	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74
		20	0.14	5.2	4.2	3.5	2.6	2.1	1.7	1.4	1.0
		30	0.17	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3
		40	0.20	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5
51405902 51405920	TK-SS1.5 TK-VP1.5	10	0.15	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1
		20	0.21	7.8	6.2	5.2	3.9	3.1	2.6	2.1	1.6
		30	0.26	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9
		40	0.30	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2
51402034 51405906 51405922 51405929	1/4K-SS2 TK-SS2 TK-VP2 TK-VS2	10	0.20	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5
		20	0.28	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1
		30	0.35	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6
		40	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0
51402035 51405907 51405923 51405930	1/4K-SS2.5 TK-SS2.5 TK-VP2.5 TK-VS2.5	10	0.25	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9
		20	0.35	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6
		30	0.43	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2
		40	0.50	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7
51402040 51405910 51405924 51405931	1/4K-SS3 TK-SS3 TK-VP3 TK-VS3	10	0.30	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2
		20	0.42	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1
		30	0.52	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9
		40	0.60	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5
51405912 51405925 51405932	TK-SS4 TK-VP4 TK-VS4	10	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0
		20	0.57	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2
		30	0.69	26	20	17.1	12.8	10.2	8.5	6.8	5.1
		40	0.80	30	24	19.8	14.9	11.9	9.9	7.9	5.9
51402042 51405914 51405926 51405933	1/4K-SS5 TK-SS5 TK-VP5 TK-VS5	10	0.50	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7
		20	0.71	26	21	17.6	13.2	10.5	8.8	7.0	5.3
		30	0.87	32	26	22	16.1	12.9	10.8	8.6	6.5
		40	1.00	37	30	25	18.6	14.9	12.4	9.9	7.4
51402043 51405927 51405934	1/4K-SS7.5 TK-VP7.5 TK-VS7.5	10	0.75	28	22	18.6	13.9	11.1	9.3	7.4	5.6
		20	1.06	39	31	26	19.7	15.7	13.1	10.5	7.9
		30	1.30	48	39	32	24	19.3	16.1	12.9	9.7
		40	1.50	56	45	37	28	22	18.6	14.9	11.1
51402030 51405903 51405921 51405928	1/4K-SS10 TK-SS10 TK-VP10 TK-VS10	10	1.00	37	30	25	18.6	14.9	12.4	9.9	7.4
		20	1.41	52	42	35	26	21	17.4	14.0	10.5
		30	1.73	64	51	43	32	26	21	17.1	12.8
		40	2.00	74	59	50	37	30	25	19.8	14.9
51402031	1/4K-SS12	10	1.20	45	36	30	22	17.8	14.9	11.9	8.9
		20	1.70	63	50	42	32	25	21	16.8	12.6
		30	2.08	77	62	51	39	31	26	21	15.4
		40	2.40	89	71	59	45	36	30	24	17.8
51402032 51405904	1/4K-SS15 TK-SS15	10	1.50	56	45	37	28	22	18.6	14.9	11.1
		20	2.12	79	63	52	39	31	26	21	15.7
		30	2.60	97	77	64	48	39	32	26	19.3
		40	3.00	111	89	74	56	45	37	30	22
51402033	1/4K-SS18	10	1.80	67	53	45	33	27	22	17.8	13.4
		20	2.55	95	76	63	47	38	32	25	19
		30	3.12	116	93	77	58	46	39	31	23
		40	3.60	134	107	89	67	53	45	36	27
51402036 51405908 51405623	1/4K-SS20 TK-SS20 QCK-SS20	10	2.00	74	59	50	37	30	25	19.8	14.9
		20	2.83	105	84	70	53	42	35	28	21
		30	3.46	128	103	86	64	51	43	34	26
		40	4.00	149	119	99	74	59	50	40	30
51402037	1/4K-SS22	10	2.20	82	65	54	41	33	27	22	16.3
		20	3.11	115	92	77	58	46	38	31	23
		30	3.81	141	113	94	71	57	47	38	28
		40	4.40	163	131	109	82	65	54	44	33
51402038	1/4K-SS24	10	2.40	89	71	59	45	36	30	24	17.8
		20	3.39	126	101	84	63	50	42	34	25
		30	4.16	154	124	103	77	62	51	41	31
		40	4.80	178	143	119	89	71	59	48	36

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 60" 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH
51402039	1/4K-SS27	10	2.70	67	53	45	33	27	22	17.8	13.4
		20	3.82	95	76	63	47	38	32	25	18.9
		30	4.68	116	93	77	58	46	39	31	23
		40	5.40	134	107	89	67	53	45	36	27
51402306 51405911 51405625	3/8K-SS30 TK-SS30 QCK-SS30	10	3.00	74	59	50	37	30	25	19.8	14.9
		20	4.24	105	84	70	52	42	35	28	21
		30	5.20	129	103	86	64	51	43	34	26
		40	6.00	149	119	99	74	59	50	40	30
51402307	3/8K-SS35	10	3.50	87	69	58	43	35	29	23	17.3
		20	4.95	123	98	82	61	49	41	33	25
		30	6.06	150	120	100	75	60	50	40	30
		40	7.00	173	139	116	87	69	58	46	35
51402308 51405626	3/8K-SS40 QCK-SS40	10	4.00	99	79	66	50	40	33	26	19.8
		20	5.66	140	112	93	70	56	47	37	28
		30	6.93	172	137	114	86	69	57	46	34
		40	8.00	198	158	132	99	79	66	53	40
51402309	3/8K-SS45	10	4.50	111	89	74	56	45	37	30	22
		20	6.36	157	126	105	79	63	52	42	31
		30	7.79	193	154	129	96	77	64	51	39
		40	9.00	223	178	149	111	89	74	59	45
51405627	QCK-SS50	10	5.00	124	99	83	62	50	41	33	25
		20	7.07	175	140	117	87	70	58	47	35
		30	8.66	214	171	143	107	86	71	57	43
		40	10.0	248	198	165	124	99	83	66	50
51405628	QCK-SS60	10	6.00	149	119	99	74	59	50	40	30
		20	8.49	210	168	140	105	84	70	56	42
		30	10.4	257	206	171	129	103	86	69	51
		40	12.0	297	238	198	149	119	99	79	59
51405629	QCK-SS80	10	8.00	198	158	132	99	79	66	53	40
		20	11.3	280	224	186	140	112	93	75	56
		30	13.9	344	275	229	172	138	115	92	69
		40	16.0	396	317	264	198	158	132	106	79
51402305	3/4K-SS90	10	9.00	223	178	149	111	89	74	59	45
		20	12.7	314	251	210	157	126	105	84	63
		30	15.6	386	309	257	193	154	129	103	77
		40	18.0	446	356	297	223	178	149	119	89
51402297 51405619	3/4K-SS100 QCK-SS100	10	10.0	248	198	165	124	99	83	66	50
		20	14.1	349	279	233	174	140	116	93	70
		30	17.3	428	343	285	214	171	143	114	86
		40	20.0	495	396	330	248	198	165	132	99
51402298	3/4K-SS110	10	11.0	272	218	182	136	109	91	73	54
		20	15.6	386	309	257	193	154	129	103	77
		30	19.1	473	378	315	236	189	158	126	95
		40	22.0	545	436	363	272	218	182	145	109
51402299 51405620	3/4K-SS120 QCK-SS120	10	12.0	297	238	198	149	119	99	79	59
		20	17.0	421	337	281	210	168	140	112	84
		30	20.8	515	412	343	257	206	172	137	103
		40	24.0	594	475	396	297	238	198	158	119
51402300	3/4K-SS140	10	14.0	347	277	231	173	139	116	92	69
		20	19.8	490	392	327	245	196	163	131	98
		30	24.2	599	479	399	299	240	200	160	120
		40	28.0	693	554	462	347	277	231	185	139
51405621	QCK-SS150	10	15.0	371	297	248	186	149	124	99	74
		20	21.2	525	420	350	262	210	175	140	105
		30	26.0	644	515	429	322	257	215	172	129
		40	30.0	743	594	495	371	297	248	198	149
51402301	3/4K-SS160	10	16.0	396	317	264	198	158	132	106	79
		20	22.6	559	447	373	280	224	186	149	112
		30	27.7	686	548	457	343	274	229	183	137
		40	32.0	792	634	528	396	317	264	211	158
51402302 51405622	3/4K-SS180 QCK-SS180	10	18.0	446	356	297	223	178	149	119	89
		20	25.5	631	505	421	316	252	210	168	126
		30	31.2	772	618	515	386	309	257	206	154
		40	36.0	891	713	594	446	356	297	238	178
51402303 51405624	3/4K-SS210 QCK-SS210	10	21.0	520	416	347	260	208	173	139	104
		20	29.7	735	588	490	368	294	245	196	147
		30	36.4	901	721	601	450	360	300	240	180
		40	42.0	1040	832	693	520	416	347	277	208

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information. Other spray angles, capacities, and materials may be available.

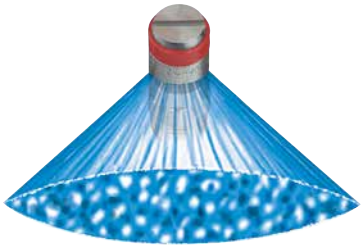
TURFJET® — WIDE ANGLE FLAT FAN SPRAY NOZZLES

TYPICAL APPLICATIONS:

See selection guide on page 4 for recommended typical applications for Wide Angle Flat Fan Spray Nozzles.

FEATURES:

- Can be used with Quick TeeJet® cap QJ4676-*-NYR.
- Very large droplets.
- Direct replacement for plastic hollow-cone, low-drift nozzles.
- More precise flow and distribution pattern.
- Large orifice reduces clogging.
- Nozzle spacing—20–40" (50–100 cm).
- Spraying pressure—25–75 PSI (1.5–5 bar).



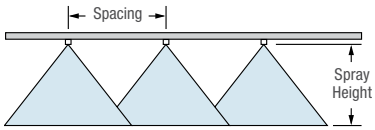
QJ4676-90-1/4-NYR

- 90° fitting attaches to Quick TeeJet bodies—¼" female threaded outlet.
- Simple installation of TurfJet nozzles on vertical nozzle bodies.
- Nylon construction.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	40° GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	20° GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
51402044	1/4TTJ02-VS	25	UC	0.16	20	5.9	4.8	4.0	3.0	2.4	2.0	1.6	1.2	0.54	0.36	0.27	0.22
		30	UC	0.17	22	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3	0.58	0.39	0.29	0.23
		40	UC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
		50	XC	0.22	28	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.75	0.50	0.37	0.30
		60	XC	0.24	31	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.82	0.54	0.41	0.33
		75	XC	0.27	35	10.0	8.0	6.7	5.0	4.0	3.3	2.7	2.0	0.92	0.61	0.46	0.37
51402045	1/4TTJ04-VS	25	UC	0.32	41	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	1.1	0.73	0.54	0.44
		30	UC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
		40	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
		50	UC	0.45	58	16.7	13.4	11.1	8.4	6.7	5.6	4.5	3.3	1.5	1.0	0.77	0.61
		60	UC	0.49	63	18.2	14.6	12.1	9.1	7.3	6.1	4.9	3.6	1.7	1.1	0.83	0.67
		75	UC	0.55	70	20	16.3	13.6	10.2	8.2	6.8	5.4	4.1	1.9	1.2	0.94	0.75
51402046	1/4TTJ05-VS	25	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
		30	UC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
		40	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
		50	UC	0.56	72	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.9	1.3	0.95	0.76
		60	UC	0.61	78	23	18.1	15.1	11.3	9.1	7.5	6.0	4.5	2.1	1.4	1.0	0.83
		75	UC	0.68	87	25	20	16.8	12.6	10.1	8.4	6.7	5.0	2.3	1.5	1.2	0.92
51402047 51402048	1/4TTJ06-VP 1/4TTJ06-VS	25	UC	0.47	60	17.4	14.0	11.6	8.7	7.0	5.8	4.7	3.5	1.6	1.1	0.80	0.64
		30	UC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
		40	UC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
		50	UC	0.67	86	25	19.9	16.6	12.4	9.9	8.3	6.6	5.0	2.3	1.5	1.1	0.91
		60	UC	0.73	93	27	22	18.1	13.6	10.8	9.0	7.2	5.4	2.5	1.7	1.2	0.99
		75	UC	0.82	105	30	24	20	15.2	12.2	10.1	8.1	6.1	2.8	1.9	1.4	1.1
51402049 51402050	1/4TTJ08-VP 1/4TTJ08-VS	25	UC	0.63	81	23	18.7	15.6	11.7	9.4	7.8	6.2	4.7	2.1	1.4	1.1	0.86
		30	UC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
		40	UC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
		50	UC	0.89	114	33	26	22	16.5	13.2	11.0	8.8	6.6	3.0	2.0	1.5	1.2
		60	UC	0.98	125	36	29	24	18.2	14.6	12.1	9.7	7.3	3.3	2.2	1.7	1.3
		75	UC	1.10	141	41	33	27	20	16.3	13.6	10.9	8.2	3.7	2.5	1.9	1.5
51402051 51402052	1/4TTJ10-VP 1/4TTJ10-VS	25	UC	0.79	101	29	23	19.6	14.7	11.7	9.8	7.8	5.9	2.7	1.8	1.3	1.1
		30	UC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
		40	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
		50	UC	1.12	143	42	33	28	21	16.6	13.9	11.1	8.3	3.8	2.5	1.9	1.5
		60	UC	1.22	156	45	36	30	23	18.1	15.1	12.1	9.1	4.1	2.8	2.1	1.7
		75	UC	1.37	175	51	41	34	25	20	17.0	13.6	10.2	4.7	3.1	2.3	1.9
51402053 51402054	1/4TTJ15-VP 1/4TTJ15-VS	25	UC	1.19	152	44	35	29	22	17.7	14.7	11.8	8.8	4.0	2.7	2.0	1.6
		30	UC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
		40	UC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
		50	UC	1.68	215	62	50	42	31	25	21	16.6	12.5	5.7	3.8	2.9	2.3
		60	UC	1.84	236	68	55	46	34	27	23	18.2	13.7	6.3	4.2	3.1	2.5
		75	UC	2.05	262	76	61	51	38	30	25	20	15.2	7.0	4.6	3.5	2.8

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	EXCELLENT	EXCELLENT



OPTIMUM SPRAY HEIGHT

20"	24"*
30"	30"*
40"	39"*

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.

HOW TO ORDER:

Specify tip number. Example:

1/4TTJ04-VS – Stainless Steel with VisiFlo® color-coding

1/4TTJ06-VP – Polymer with VisiFlo color-coding

TEEJET® — DOUBLE OUTLET FLAT SPRAY TIPS

150° SERIES STAINLESS STEEL AND BRASS

Suggested for post-directed application with hose drops.

HOW TO ORDER:

Specify tip number and material.
Example: TQ150-03-SS – Stainless Steel

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 20" 4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
51406064	TQ150-01-SS	20	0.071	5.3	4.2	3.5	3.0	2.6	2.3	2.1	1.8	1.5	1.3	1.2
		25	0.079	5.9	4.7	3.9	3.4	2.9	2.6	2.3	2.0	1.7	1.5	1.3
		30	0.087	6.5	5.2	4.3	3.7	3.2	2.9	2.6	2.2	1.8	1.6	1.4
		40	0.10	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.5	2.1	1.9	1.7
		50	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8
51406063	TQ150-015-SS	20	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8
		25	0.12	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.0	2.5	2.2	2.0
		30	0.13	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.2	2.8	2.4	2.1
		40	0.15	11.1	8.9	7.4	6.4	5.6	5.0	4.5	3.7	3.2	2.8	2.5
		50	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8
51406065	TQ150-02-SS	20	0.14	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5	3.0	2.6	2.3
		25	0.16	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.0	3.4	3.0	2.6
		30	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8
		40	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3
		50	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6
51406066	TQ150-03-SS	20	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5
		25	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9	5.1	4.5	4.0
		30	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3
		40	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0
		50	0.34	25	20	16.8	14.4	12.6	11.2	10.1	8.4	7.2	6.3	5.6
51406067	TQ150-04-SS	20	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6
		25	0.32	24	19.0	15.8	13.6	11.9	10.6	9.5	7.9	6.8	5.9	5.3
		30	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8
		40	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6
		50	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4
51406068	TQ150-05-SS	20	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8
		25	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6
		30	0.43	32	26	21	18.2	16.0	14.2	12.8	10.6	9.1	8.0	7.1
		40	0.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3
		50	0.56	42	33	28	24	21	18.5	16.6	13.9	11.9	10.4	9.2
51406069	TQ150-06-SS	20	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9
		25	0.47	35	28	23	19.9	17.4	15.5	14.0	11.6	10.0	8.7	7.8
		30	0.52	39	31	26	22	19.3	17.2	15.4	12.9	11.0	9.7	8.6
		40	0.60	45	36	30	25	22	19.8	17.8	14.9	12.7	11.1	9.9
		50	0.67	50	40	33	28	25	22	19.9	16.6	14.2	12.4	11.1
51406070	TQ150-08-SS	20	0.57	42	34	28	24	21	18.8	16.9	14.1	12.1	10.6	9.4
		25	0.63	47	37	31	27	23	21	18.7	15.6	13.4	11.7	10.4
		30	0.69	51	41	34	29	26	23	20	17.1	14.6	12.8	11.4
		40	0.80	59	48	40	34	30	26	24	19.8	17.0	14.9	13.2
		50	0.89	66	53	44	38	33	29	26	22	18.9	16.5	14.7

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

TEEJET® — OFF-CENTER FLAT SPRAY TIPS — SMALLER CAPACITIES

TeeJet Off-Center spray tips are commonly installed in double and single swivel nozzle bodies. Because these bodies are adjustable for angular position, a wide spray swath is easily obtained.

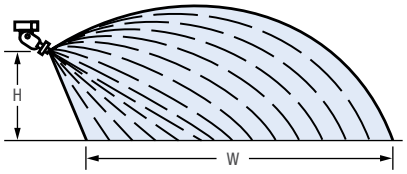
See page 89 for swivels and hose drops.

HOW TO ORDER:

Specify tip number. Example:

OC-02 – Brass

OC-SS06 – Stainless Steel



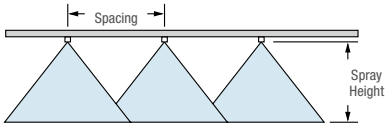
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	HEIGHT = 18" "W" IN INCHES	GPA 3 MPH	4 MPH	5 MPH	6 MPH	HEIGHT = 24" "W" IN INCHES	GPA 3 MPH	4 MPH	5 MPH	6 MPH
51405316	OC-SS01	30	0.087	58	3.0	2.2	1.8	1.5	65	2.7	2.0	1.6	1.3
		40	0.10	60	3.3	2.5	2.0	1.7	67	3.0	2.2	1.8	1.5
		60	0.12	62	3.8	2.9	2.3	1.9	69	3.4	2.6	2.1	1.7
51405318	OC-SS02	30	0.17	68	5.0	3.7	3.0	2.5	75	4.5	3.4	2.7	2.2
		40	0.20	70	5.7	4.2	3.4	2.8	77	5.1	3.9	3.1	2.6
		60	0.24	72	6.6	5.0	4.0	3.3	78	6.1	4.6	3.7	3.0
51405319	OC-SS03	30	0.26	77	6.7	5.0	4.0	3.3	80	6.4	4.8	3.9	3.2
		40	0.30	80	7.4	5.6	4.5	3.7	83	7.2	5.4	4.3	3.6
		60	0.37	82	8.9	6.7	5.4	4.5	85	8.6	6.5	5.2	4.3
51405320	OC-SS04	30	0.35	91	7.6	5.7	4.6	3.8	93	7.5	5.6	4.5	3.7
		40	0.40	93	8.5	6.4	5.1	4.3	94	8.4	6.3	5.1	4.2
		60	0.49	94	10.3	7.7	6.2	5.2	95	10.2	7.7	6.1	5.1
51405321	OC-SS06	30	0.52	99	10.4	7.8	6.2	5.2	108	9.5	7.2	5.7	4.8
		40	0.60	101	11.8	8.8	7.1	5.9	110	10.8	8.1	6.5	5.4
		60	0.73	102	14.2	10.6	8.5	7.1	111	13.0	9.8	7.8	6.5
51405322	OC-SS08	30	0.69	100	13.7	10.2	8.2	6.8	110	12.4	9.3	7.5	6.2
		40	0.80	102	15.5	11.6	9.3	7.8	112	14.1	10.6	8.5	7.1
		60	0.98	104	18.7	14.0	11.2	9.3	113	17.2	12.9	10.3	8.6
51405324	OC-SS12	30	1.04	102	20	15.1	12.1	10.1	113	18.2	13.7	10.9	9.1
		40	1.20	104	23	17.1	13.7	11.4	115	21	15.5	12.4	10.3
		60	1.47	105	28	21	16.6	13.9	116	25	18.8	15.1	12.5
51405326	OC-SS16	30	1.39	132	21	15.6	12.5	10.4	142	19.4	14.5	11.6	9.7
		40	1.60	138	23	17.2	13.8	11.5	146	22	16.3	13.0	10.8
		60	1.96	143	27	20	16.3	13.6	148	26	19.7	15.7	13.1

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

FULLJET® — WIDE ANGLE FULL CONE SPRAY TIPS

FEATURES:

- Large droplets to reduce drift.
- Excellent spray distribution over a range of pressures 15–40 PSI (1–3 bar).
- Ideal for use on rigs with sprayer controllers.
- Wide spray angle allows use on 40" (100 cm) spacings.
- Available in VisiFlo® color-coding system in all stainless steel or Celcon® with stainless steel vane.
- Can be used with CP25607-*-NY for Quick TeeJet® connection. Reference page 80 for more information.



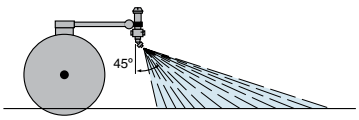
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	40" GPA							20" GALLONS PER 1000 SQ. FT.			
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	2 MPH	3 MPH	4 MPH	5 MPH
51405276 51405275	FL-5VS FL-5VC	15	0.34	44	16.8	12.6	10.1	8.4	7.2	6.3	5.0	1.2	0.77	0.58	0.46
		20	0.38	49	18.8	14.1	11.3	9.4	8.1	7.1	5.6	1.3	0.86	0.65	0.52
		30	0.46	59	23	17.1	13.7	11.4	9.8	8.5	6.8	1.6	1.0	0.78	0.63
		40	0.50	64	25	18.6	14.9	12.4	10.6	9.3	7.4	1.7	1.1	0.85	0.68
51405278 51405277	FL-6.5VS FL-6.5VC	15	0.42	54	21	15.6	12.5	10.4	8.9	7.8	6.2	1.4	0.95	0.71	0.57
		20	0.48	61	24	17.8	14.3	11.9	10.2	8.9	7.1	1.6	1.1	0.82	0.65
		30	0.57	73	28	21	16.9	14.1	12.1	10.6	8.5	1.9	1.3	0.97	0.78
		40	0.65	83	32	24	19.3	16.1	13.8	12.1	9.7	2.2	1.5	1.1	0.88
51405280 51405279	FL-8VS FL-8VC	15	0.51	65	25	18.9	15.1	12.6	10.8	9.5	7.6	1.7	1.2	0.87	0.69
		20	0.58	74	29	22	17.2	14.4	12.3	10.8	8.6	2.0	1.3	0.99	0.79
		30	0.70	90	35	26	21	17.3	14.9	13.0	10.4	2.4	1.6	1.2	0.95
		40	0.80	102	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1
51405272 51405271	FL-10VS FL-10VC	15	0.67	86	33	25	19.9	16.6	14.2	12.4	9.9	2.3	1.5	1.1	0.91
		20	0.76	97	38	28	23	18.8	16.1	14.1	11.3	2.6	1.7	1.3	1.0
		30	0.91	116	45	34	27	23	19.3	16.9	13.5	3.1	2.1	1.5	1.2
		40	1.00	128	50	37	30	25	21	18.6	14.9	3.4	2.3	1.7	1.4
51405274 51405273	FL-15VS FL-15VC	15	0.97	124	48	36	29	24	21	18.0	14.4	3.3	2.2	1.6	1.3
		20	1.11	142	55	41	33	27	24	21	16	3.8	2.5	1.9	1.5
		30	1.32	169	65	49	39	33	28	25	20	4.5	3.0	2.2	1.8
		40	1.50	192	74	56	45	37	32	28	22	5.1	3.4	2.6	2.0

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

OPTIMUM SPRAY HEIGHT

20"	20"*
30"	30"*
40"	39"*

FullJet nozzles should be angled 30°–45° from vertical for uniform spray distribution.
*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.



Side View

HOW TO ORDER:

Specify tip number. Example:

FL-5VS – Stainless Steel with VisiFlo color-coding

FL-5VC – Celcon with Stainless Steel vane and VisiFlo color-coding

XP BOOMJET® – BOOMLESS FLAT SPRAY NOZZLES

TYPICAL APPLICATIONS:

- Boomless field spray applications.
- Roadside and right-of-way applications.
- End row spraying.
- Orchard spraying.
- De-icing applications.
- Forestry.

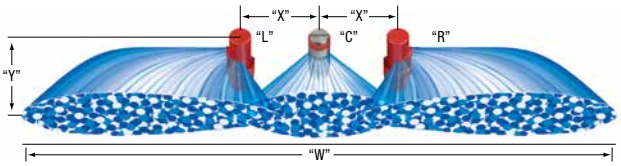
FEATURES:

- Unique orifice geometry produces a wide spray pattern while maintaining superior distribution across entire width.
- Pre-orifice design minimizes drift.
- Extra wide spray pattern—up to 18.5' (5.5 meters)—using a single nozzle.
- Removable polymer pre-orifice.
- Acetal construction for excellent chemical resistance.
- Recommended spray pressure range: 20–60 PSI (1.5–4 bar).
- NPT or BSPT (male) threads for easy installation.
- Color-coding for easy capacity identification.
- **Mounting Note**: Position tip horizontal to ground with spray pattern down and to the side.

HOW TO ORDER:

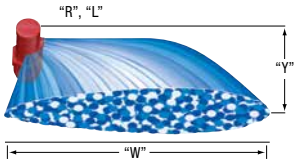
Specify part number. Example:

1/2XP80L(R)-VP – VisiFlo® Polymer Left Boom Spray



CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CENTER NOZZLE "C"		NOZZLE SPACING "X" = 20"																									
		CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY THREE NOZZLES IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
									GPA FOR THREE NOZZLES						GALLONS PER 1000 SQ. FT.				GPA FOR THREE NOZZLES						GALLONS PER 1000 SQ. FT.			
							24" HEIGHT	36" HEIGHT	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
51402056 51402055	1/4XP10R-VP 1/4XP10L-VP	51402049 51402050	1/4TTJ08-VP 1/4TTJ08-VS	30	UC	2.43	23.3	25.3	12.9	8.6	6.5	5.2	3.4	2.6	0.59	0.39	0.30	0.24	11.9	7.9	5.9	4.8	3.2	2.4	0.54	0.36	0.27	0.22
				40	UC	2.80	25.3	28.3	13.7	9.1	6.8	5.5	3.7	2.7	0.63	0.42	0.31	0.25	12.2	8.2	6.1	4.9	3.3	2.4	0.56	0.37	0.28	0.22
				50	UC	3.13	28.3	30.3	13.7	9.1	6.8	5.5	3.6	2.7	0.63	0.42	0.31	0.25	12.8	8.5	6.4	5.1	3.4	2.6	0.59	0.39	0.29	0.23
				60	UC	3.42	29.3	32.3	14.4	9.6	7.2	5.8	3.9	2.9	0.66	0.44	0.33	0.26	13.1	8.7	6.6	5.2	3.5	2.6	0.60	0.40	0.30	0.24
51402059 51402057	1/4XP20R-VP 1/4XP20L-VP	51402049 51402050	1/4TTJ08-VP 1/4TTJ08-VS	30	UC	4.19	26.3	27.3	19.7	13.1	9.9	7.9	5.3	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
				40	UC	4.80	30.3	31.3	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
				50	UC	5.39	32.3	33.3	21	13.8	10.3	8.3	5.5	4.1	0.95	0.63	0.47	0.38	20	13.4	10.0	8.0	5.3	4.0	0.92	0.61	0.46	0.37
				60	UC	5.98	33.3	35.3	22	14.8	11.1	8.9	5.9	4.4	1.0	0.68	0.51	0.41	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38
51402063 51402061	1/4XP25R-VP 1/4XP25L-VP	51402051 51402052	1/4TTJ10-VP 1/4TTJ10-VS	30	UC	5.13	27.3	30.3	23	15.5	11.6	9.3	6.2	4.7	1.1	0.71	0.53	0.43	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38
				40	UC	6.00	30.3	32.3	25	16.3	12.3	9.8	6.5	4.9	1.1	0.75	0.56	0.45	23	15.3	11.5	9.2	6.1	4.6	1.1	0.70	0.53	0.42
				50	UC	6.62	32.3	33.3	25	16.9	12.7	10.1	6.8	5.1	1.2	0.77	0.58	0.46	25	16.4	12.3	9.8	6.6	4.9	1.1	0.75	0.56	0.45
				60	UC	7.22	33.3	35.3	27	17.9	13.4	10.7	7.2	5.4	1.2	0.82	0.61	0.49	25	16.9	12.7	10.1	6.7	5.1	1.2	0.77	0.58	0.46
51402020 51402018	1/2XP40R-VP 1/2XP40L-VP	51402053 51402054	1/4TTJ15-VP 1/4TTJ15-VS	30	UC	8.36	29.3	32.3	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.98	0.73	0.59
				40	UC	9.50	31.3	34.3	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	34	23	17.1	13.7	9.1	6.9	1.6	1.0	0.78	0.63
				50	UC	10.8	33.3	35.3	40	27	20	16.1	10.7	8.0	1.8	1.2	0.92	0.74	38	25	18.9	15.1	10.1	7.6	1.7	1.2	0.87	0.69
				60	UC	11.8	35.3	38.3	41	28	21	16.5	11.0	8.3	1.9	1.3	0.95	0.76	38	25	19.1	15.3	10.2	7.6	1.7	1.2	0.87	0.70

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for drop size classification, useful formulas and other information. For lower chart only, application rates are identical for a two-tip setup. Swath width and flow capacity will be doubled for a two-tip setup.



CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
					24" HEIGHT	36" HEIGHT	GPA FOR ONE NOZZLE						GALLONS PER 1000 SQ. FT.				GPA FOR ONE NOZZLE						GALLONS PER 1000 SQ. FT.			
							4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
51402056 51402055	1/4XP10R-VP 1/4XP10L-VP	20	UC	0.71	8.5	10.0	10.3	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	8.8	5.9	4.4	3.5	2.3	1.8	0.40	0.27	0.20	0.16
		30	UC	0.87	10.0	11.0	10.8	7.2	5.4	4.3	2.9	2.2	0.49	0.33	0.25	0.20	9.8	6.5	4.9	3.9	2.6	2.0	0.45	0.30	0.22	0.18
		40	UC	1.00	11.0	12.5	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	9.9	6.6	5.0	4.0	2.6	2.0	0.45	0.30	0.23	0.18
		50	UC	1.12	12.5	13.5	11.1	7.4	5.5	4.4	3.0	2.2	0.51	0.34	0.25	0.20	10.3	6.8	5.1	4.1	2.7	2.1	0.47	0.31	0.24	0.19
		60	UC	1.22	13.0	14.5	11.6	7.7	5.8	4.6	3.1	2.3	0.53	0.35	0.27	0.21	10.4	6.9	5.2	4.2	2.8	2.1	0.48	0.32	0.24	0.19
51402059 51402057	1/4XP20R-VP 1/4XP20L-VP	20	UC	1.42	9.0	11.0	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	16.0	10.7	8.0	6.4	4.3	3.2	0.73	0.49	0.37	0.29
		30	UC	1.75	11.5	12.0	18.8	12.6	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.0	12.0	9.0	7.2	4.8	3.6	0.83	0.55	0.41	0.33
		40	UC	2.00	13.5	14.0	18.3	12.2	9.2	7.3	4.9	3.7	0.84	0.56	0.42	0.34	17.7	11.8	8.8	7.1	4.7	3.5	0.81	0.54	0.40	0.32
		50	UC	2.25	14.5	15.0	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	18.6	12.4	9.3	7.4	5.0	3.7	0.85	0.57	0.43	0.34
		60	UC	2.50	15.0	16.0	21	13.8	10.3	8.3	5.5	4.1	0.94	0.63	0.47	0.38	19.3	12.9	9.7	7.7	5.2	3.9	0.89	0.59	0.44	0.35
51402063 51402061	1/4XP25R-VP 1/4XP25L-VP	20	UC	1.74	10.5	11.0	21	13.7	10.3	8.2	5.5	4.1	0.94	0.63	0.47	0.38	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36
		30	UC	2.13	12.0	13.5	22	14.6	11.0	8.8	5.9	4.4	1.0	0.67	0.50	0.40	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36
		40	UC	2.50	13.5	14.5	23	15.3	11.5	9.2	6.1	4.6	1.0	0.70	0.52	0.42	21	14.2	10.7	8.5	5.7	4.3	0.98	0.65	0.49	0.39
		50	UC	2.75	14.5	15.0	23	15.6	11.7	9.4	6.3	4.7	1.1	0.72	0.54	0.43	23	15.1	11.3	9.1	6.1	4.5	1.0	0.69	0.52	0.42
		60	UC	3.00	15.0	16.0	25	16.5	12.4	9.9	6.6	5.0	1.1	0.76	0.57	0.45	23	15.5	11.6	9.3	6.2	4.6	1.1	0.71	0.53	0.43
51402020 51402018	1/2XP40R-VP 1/2XP40L-VP	20	UC	2.87	11.0	12.0	32	22	16.1	12.9	8.6	6.5	1.5	0.99	0.74	0.59	30	19.7	14.8	11.8	7.9	5.9	1.4	0.90	0.68	0.54
		30	UC	3.53	13.0	14.5	34	22	16.8	13.4	9.0	6.7	1.5	1.0	0.77	0.62	30	20	15.1	12.1	8.0	6.0	1.4	0.92	0.69	0.55
		40	UC	4.00	14.0	15.5	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.97	0.73	0.58
		50	UC	4.55	15.0	16.0	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.6	14.1	9.4	7.0	1.6	1.1	0.81	0.64
		60	UC	5.00	16.0	17.5	39	26	19.3	15.5	10.3	7.7	1.8	1.2	0.89	0.71	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65
51402024 51402022	1/2XP80R-VP 1/2XP80L-VP	20	UC	5.60	13.0	15.5	53	36	27	21	14.2	10.7	2.4	1.6	1.2	0.98	45	30	22	17.9	11.9	8.9	2.0	1.4	1.0	0.82
		30	UC	6.83	15.0	16.5	56	38	28	23	15.0	11.3	2.6	1.7	1.3	1.0	51	34	26	20	13.7	10.2	2.3	1.6	1.2	0.94
		40	UC	8.00	16.0	17.5	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0
		50	UC	8.73	16.5	18.0	65	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.7	1.8	1.4	1.1
		60	UC	9.60	17.5	18.5	68	45	34	27	18.1	13.6	3.1	2.1	1.6	1.2	64	43	32	26	17.1	12.8	2.9	2.0	1.5	1.2

BOOMJET® — BOOMLESS NOZZLES WITH EXTRA-WIDE FLAT SPRAY PROJECTION

5430-3/4 NPT

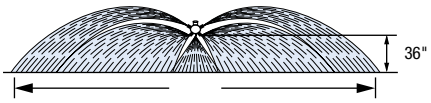
5880-3/4 NPT Female Back inlet connection.

The 5430 and 5880 BoomJet nozzles are used for spraying areas not easily accessed with a boom sprayer. They combine two off-center tips and three VeeJet® nozzles to produce a wide swath flat spray. While not as uniform as a boom sprayer, the BoomJet provides good distribution.* The 5880 features a 1/4" gauge port and is supplied with one additional 1/4" NPT pipe plug and one blank tip for spraying to one side only. The 5430 utilizes a swivel design which can be adjusted to modify the spray pattern width. Both models feature 3/4" NPT female inlet threads.

*Uniformity can be optimized by double overlapping spray swaths on successive sprayer passes. Remember, this also doubles the application volume.

HOW TO ORDER:

Specify BoomJet nozzle number.
Example: 5880-3/4-2T0C-06



W = Maximum effective coverage with nozzle mounted at 36" height.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	GPM	"W" (FEET)	GPA					GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	7.5 MPH	10 MPH	15 MPH	2 MPH	3 MPH	4 MPH	5 MPH
51403010 51403208	5430-3/4-2T0C06 5880-3/4-2T0C06	20	1.84	33.5	6.8	5.4	3.6	2.7	1.8	0.31	0.21	0.16	0.12
		30	2.25	34	8.2	6.6	4.4	3.3	2.2	0.38	0.25	0.19	0.15
		40	2.60	34.5	9.3	7.5	5.0	3.7	2.5	0.43	0.28	0.21	0.17
51403011 51403210	5430-3/4-2T0C10 5880-3/4-2T0C10	20	2.83	39.5	8.9	7.1	4.7	3.5	2.4	0.41	0.27	0.20	0.16
		30	3.46	40	10.7	8.6	5.7	4.3	2.9	0.49	0.33	0.25	0.20
		40	4.00	40.5	12.2	9.8	6.5	4.9	3.3	0.56	0.37	0.28	0.22
51403012 51403211	5430-3/4-2T0C20 5880-3/4-2T0C20	20	6.08	47	16.0	12.8	8.5	6.4	4.3	0.73	0.49	0.37	0.29
		30	7.45	50	18.4	14.8	9.8	7.4	4.9	0.84	0.56	0.42	0.34
		40	8.60	52	20	16.4	10.9	8.2	5.5	0.94	0.62	0.47	0.37
51403014 51403212	5430-3/4-2T0C40 5880-3/4-2T0C40	20	12.0	56	27	21	14.1	10.6	7.1	1.2	0.81	0.61	0.49
		30	14.7	60	30	24	16.2	12.1	8.1	1.4	0.93	0.69	0.56
		40	17.0	63	33	27	17.8	13.4	8.9	1.5	1.0	0.76	0.61

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information.

TEEJET® — SWIVEL SPRAY NOZZLES WITH OFF-CENTER FLAT SPRAY TIPS - LARGER CAPACITIES

Large capacity swivel nozzles, available in both single or double styles, are available with 3/4" NPT (F) inlet connections for use as boomless type nozzles. For double swivels the tabulated GPM (l/min) capacities are twice those shown for single swivels.

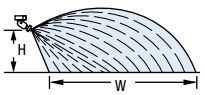
HOW TO ORDER:

Specify swivel number and material.
Example: 4629-3/4-T0C10 – Brass

Type 4629-3/4-T0C Single Swivel
with ¾" NPT (F) pipe connection. Brass.

Type 4418-3/4-2T0C Double Swivel
with 3/4" NPT (F) pipe connection. Brass.

EXTRA WIDE FLAT SPRAY COVERAGE



W = MAXIMUM EFFECTIVE COVERAGE WITH NOZZLE MOUNTED AT 36" HEIGHT.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	GPM	"W" (FEET)	HEIGHT = 36" GPA		
					5 MPH	10 MPH	15 MPH
51402825	4629-3/4-T0C10	30	0.87	18	4.8	2.4	1.6
		40	1.00	18.5	5.4	2.7	1.8
		60	1.22	18.5	6.5	3.3	2.2
51402827	4629-3/4-T0C20	30	1.73	23.5	7.3	3.6	2.4
		40	2.00	24.5	8.1	4.0	2.7
		60	2.45	24.5	9.9	5.0	3.3
51402830	4629-3/4-T0C40	30	3.46	26	13.2	6.6	4.4
		40	4.00	27	14.7	7.3	4.9
		60	4.90	27	18.0	9.0	6.0
51402832	4629-3/4-T0C80	30	6.93	29	24	11.8	7.9
		40	8.00	30	26	13.2	8.8
		60	9.80	30	32	16.2	10.8
51402826	4629-3/4-T0C150	30	13.0	30.5	42	21	14.1
		40	15.0	31.5	47	24	15.7
		60	18.4	31.5	58	29	19.3
51402829	4629-3/4-T0C300	30	26.0	32	80	40	27
		40	30.0	33	90	45	30
		60	36.7	33.5	108	54	36

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information.

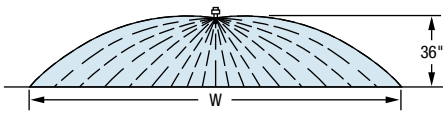
FIELDJET® – BOOMLESS NOZZLES WITH EXTRA-WIDE FLAT SPRAY PROJECTION

Type 1/4-KLC

1/4" NPT male pipe connections

The KLC FieldJet nozzle is typically used to spray areas not accessible with a boom sprayer. Its one-piece nozzle design projects spray to both sides to form a wide swath flat spray. The round orifice minimizes clogging. Uniformity across the swath is not as good as with a properly operated boom sprayer.* Available in brass or stainless steel.

*Uniformity can be optimized by double overlapping spray swaths on successive sprayer passes. Remember, this also doubles the application volume.



HOW TO ORDER:

Specify part number and material.

Example: 1/4KLC-SS18 – Stainless Steel

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	"W" IN FEET	GPA				GALLONS PER 1000 SQ. FT.			
					3 MPH	4 MPH	5 MPH	8 MPH	3 MPH	4 MPH	5 MPH	8 MPH
51402028	1/4KLC-SS5	20	0.71	17	6.9	5.2	4.1	2.6	.16	.12	.09	.06
		30	0.87	18	8.0	6.0	4.8	3.0	.18	.14	.11	.07
		40	1.00	21	7.9	5.9	4.7	2.9	.18	.13	.11	.07
51402029	1/4KLC-SS9	20	1.27	18	11.6	8.7	7.0	4.4	.27	.20	.16	.10
		30	1.56	19	13.5	10.2	8.1	5.1	.31	.23	.19	.12
		40	1.80	21	14.1	10.6	8.5	5.3	.32	.24	.19	.12
51402026	1/4KLC-SS18	20	2.55	20	21	15.8	12.6	7.9	.48	.36	.29	.18
		30	3.12	21	25	18.4	14.7	9.2	.56	.42	.34	.21
		40	3.60	22	27	20	16.2	10.1	.62	.46	.37	.23
51402027	1/4KLC-SS36	20	5.09	22	38	29	23	14.3	.87	.66	.52	.33
		30	6.24	24	43	32	26	16.1	.98	.74	.59	.37
		40	7.20	26	46	34	27	17.1	1.0	.78	.63	.39

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

CONEJET® — VISIFLO® HOLLOW CONE SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 5 for recommended typical applications for ConeJet tips.

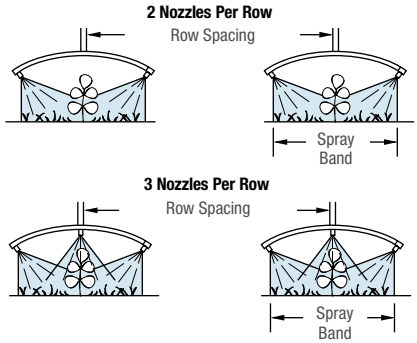
FEATURES:

- VisiFlo color-coded versions consist of stainless steel or ceramic orifice in a polypropylene body. Maximum operating pressure 300 PSI (20 bar). Spray angle is 80° at 100 PSI (7 bar).
- Ideal for banding with two or three nozzles over the row.
- Finely atomized spray pattern provides thorough coverage.
- Standard ConeJet (not color-coded) available in brass and stainless steel in a wide range of capacities with 65° (TY) and 80° (TX) spray angles.

HOW TO ORDER:

Specify tip number. Examples:

TX-VS4 – Stainless Steel with VisiFlo color-coding
TX-4 – Brass
TX-SS4 – Stainless Steel
TX-VK4 – Ceramic with VisiFlo color-coding



	GPA CONVERSION FACTORS* 30"
8"	3.75
10"	3.00
12"	2.50
15"	2.00

*To find GPA rate on band widths, multiply the tabulated GPA for ROW SPACING by the conversion factors.

See pages 7–27 for useful formulas and other information.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY TWO NOZZLES IN GPM	CAPACITY TWO NOZZLES IN OZ./MIN.	GPA 30" 3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	PSI	CAPACITY THREE NOZZLES IN GPM	CAPACITY THREE NOZZLES IN OZ./MIN.	GPA 30" 3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
51406122	TX-VS1	40	0.033	4.2	2.2	1.6	1.3	1.1	0.93	40	0.050	6.4	3.3	2.5	2.0	1.7	1.4
		60	0.039	5.0	2.6	1.9	1.5	1.3	1.1	60	0.059	7.6	3.9	2.9	2.3	1.9	1.7
		75	0.043	5.5	2.8	2.1	1.7	1.4	1.2	75	0.065	8.3	4.3	3.2	2.6	2.1	1.8
		90	0.047	6.0	3.1	2.3	1.9	1.6	1.3	90	0.070	9.0	4.6	3.5	2.8	2.3	2.0
		120	0.053	6.8	3.5	2.6	2.1	1.7	1.5	120	0.079	10	5.2	3.9	3.1	2.6	2.2
51406126	TX-VS2	40	0.067	8.6	4.4	3.3	2.7	2.2	1.9	40	0.100	13	6.6	5.0	4.0	3.3	2.8
		60	0.080	10	5.3	4.0	3.2	2.6	2.3	60	0.12	15	7.9	5.9	4.8	4.0	3.4
		75	0.088	11	5.8	4.4	3.5	2.9	2.5	75	0.13	17	8.6	6.4	5.1	4.3	3.7
		90	0.095	12	6.3	4.7	3.8	3.1	2.7	90	0.14	18	9.2	6.9	5.5	4.6	4.0
		120	0.11	14	7.3	5.4	4.4	3.6	3.1	120	0.16	20	10.6	7.9	6.3	5.3	4.5
51406118 51406128	TX-VK3 TX-VS3	40	0.10	13	6.6	5.0	4.0	3.3	2.8	40	0.15	19	9.9	7.4	5.9	5.0	4.2
		60	0.12	15	7.9	5.9	4.8	4.0	3.4	60	0.18	23	11.9	8.9	7.1	5.9	5.1
		75	0.13	17	8.6	6.4	5.1	4.3	3.7	75	0.20	26	13.2	9.9	7.9	6.6	5.7
		90	0.14	18	9.2	6.9	5.5	4.6	4.0	90	0.21	27	13.9	10.4	8.3	6.9	5.9
		120	0.16	20	10.6	7.9	6.3	5.3	4.5	120	0.24	31	15.8	11.9	9.5	7.9	6.8
51406119 51406129	TX-VK4 TX-VS4	40	0.13	17	8.6	6.4	5.1	4.3	3.7	40	0.20	26	13.2	9.9	7.9	6.6	5.7
		60	0.16	20	10.6	7.9	6.3	5.3	4.5	60	0.24	31	15.8	11.9	9.5	7.9	6.8
		75	0.18	23	11.9	8.9	7.1	5.9	5.1	75	0.27	35	17.8	13.4	10.7	8.9	7.6
		90	0.19	24	12.5	9.4	7.5	6.3	5.4	90	0.29	37	19.1	14.4	11.5	9.6	8.2
		120	0.22	28	14.5	10.9	8.7	7.3	6.2	120	0.33	42	22	16.3	13.1	10.9	9.3
51406120 51406130	TX-VK6 TX-VS6	40	0.20	26	13.2	9.9	7.9	6.6	5.7	40	0.30	38	19.8	14.9	11.9	9.9	8.5
		60	0.24	31	15.8	11.9	9.5	7.9	6.8	60	0.36	46	24	17.8	14.3	11.9	10.2
		75	0.27	35	17.8	13.4	10.7	8.9	7.6	75	0.40	51	26	19.8	15.8	13.2	11.3
		90	0.29	37	19.1	14.4	11.5	9.6	8.2	90	0.43	55	28	21	17.0	14.2	12.2
		120	0.33	42	22	16.3	13.1	10.9	9.3	120	0.50	64	33	25	19.8	16.5	14.1
51406121 51406131	TX-VK8 TX-VS8	40	0.27	35	17.8	13.4	10.7	8.9	7.6	40	0.40	51	26	19.8	15.8	13.2	11.3
		60	0.32	41	21	15.8	12.7	10.6	9.1	60	0.49	63	32	24	19.4	16.2	13.9
		75	0.36	46	24	17.8	14.3	11.9	10.2	75	0.54	69	36	27	21	17.8	15.3
		90	0.39	50	26	19.3	15.4	12.9	11.0	90	0.59	76	39	29	23	19.5	16.7
		120	0.45	58	30	22	17.8	14.9	12.7	120	0.68	87	45	34	27	22	19.2
51406114 51406123	TX-VK10 TX-VS10	40	0.33	42	22	16.3	13.1	10.9	9.3	40	0.50	64	33	25	19.8	16.5	14.1
		60	0.40	51	26	19.8	15.8	13.2	11.3	60	0.61	78	40	30	24	20	17.3
		75	0.45	58	30	22	17.8	14.9	12.7	75	0.68	87	45	34	27	22	19.2
		90	0.49	63	32	24	19.4	16.2	13.9	90	0.74	95	49	37	29	24	21
		120	0.56	72	37	28	22	18.5	15.8	120	0.85	109	56	42	34	28	24
51406115 51406124	TX-VK12 TX-VS12	40	0.40	51	26	19.8	15.8	13.2	11.3	40	0.60	77	40	30	24	19.8	17.0
		60	0.49	63	32	24	19.4	16.2	13.9	60	0.73	93	48	36	29	24	21
		75	0.54	69	36	27	21	17.8	15.3	75	0.81	104	53	40	32	27	23
		90	0.59	76	39	29	23	19.5	16.7	90	0.88	113	58	44	35	29	25
		120	0.68	87	45	34	27	22	19.2	120	1.01	129	67	50	40	33	29
51406116 51406125	TX-VK18 TX-VS18	40	0.60	77	40	30	24	19.8	17.0	40	0.90	115	59	45	36	30	25
		60	0.73	93	48	36	29	24	21	60	1.10	141	73	54	44	36	31
		75	0.82	105	54	41	32	27	23	75	1.23	157	81	61	49	41	35
		90	0.90	115	59	45	36	30	25	90	1.35	173	89	67	53	45	38
		120	1.03	132	68	51	41	34	29	120	1.55	198	102	77	61	51	44
51406117 51406127	TX-VK26 TX-VS26	40	0.87	111	57	43	34	29	25	40	1.30	166	86	64	51	43	37
		60	1.06	136	70	52	42	35	30	60	1.59	204	105	79	63	52	45
		75	1.18	151	78	58	47	39	33	75	1.78	228	117	88	70	59	50
		90	1.30	166	86	64	51	43	37	90	1.94	248	128	96	77	64	55
		120	1.49	191	98	74	59	49	42	120	2.24	287	148	111	89	74	63

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). †Specify material.

AI TEEJET® – AIR INDUCTION EVEN FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

See selection guide on page 5 for recommended typical applications for AI TeeJet tips.

FEATURES:

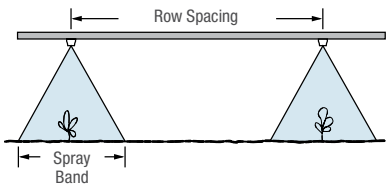
- Available with stainless steel insert, polymer holder and pre-orifice with VisiFlo® color-coding.
- Larger droplets for less drift.
- Depending on the chemical, produces large air-filled drops through the use of a Venturi air aspirator.
- Ideal for banding over the row or in row middles.
- Automatic spray alignment with 25598-* -NYR Quick TeeJet® cap and gasket. Reference page 80 for more information.

Note: Due to the pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA 30" Field Acres 3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
51403698	AI95015EVS	30	UC	0.13	17	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
		40	XC	0.15	19	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
		50	XC	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
		60	VC	0.18	23	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
		70	VC	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
		80	VC	0.21	27	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9	5.5	5.2	4.9
		90	C	0.23	29	15.2	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1	5.7	5.4
		100	C	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
51403700	AI9502EVS	30	UC	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
		40	XC	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
		50	XC	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
		60	VC	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
		70	VC	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
		80	VC	0.28	36	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
		90	VC	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
		100	C	0.32	41	21	18.1	15.8	14.1	12.7	11.5	10.6	9.7	9.1	8.4	7.9	7.5
51403699	AI95025EVS	30	UC	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
		40	XC	0.25	32	16.5	14.1	12.4	11.0	9.9	9.0	8.3	7.6	7.1	6.6	6.2	5.8
		50	XC	0.28	36	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
		60	VC	0.31	40	20	17.5	15.3	13.6	12.3	11.2	10.2	9.4	8.8	8.2	7.7	7.2
		70	VC	0.33	42	22	18.7	16.3	14.5	13.1	11.9	10.9	10.1	9.3	8.7	8.2	7.7
		80	VC	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
		90	VC	0.38	49	25	21	18.8	16.7	15.0	13.7	12.5	11.6	10.7	10.0	9.4	8.9
		100	C	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
51403701	AI9503EVS	30	UC	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
		40	XC	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
		50	XC	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
		60	VC	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
		70	VC	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
		80	VC	0.42	54	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9	11.1	10.4	9.8
		90	VC	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
		100	C	0.47	60	31	27	23	21	18.6	16.9	15.5	14.3	13.3	12.4	11.6	10.9
51403702	AI9504EVS	30	UC	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
		40	XC	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
		50	XC	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
		60	VC	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
		70	VC	0.53	68	35	30	26	23	21	19.1	17.5	16.1	15.0	14.0	13.1	12.3
		80	VC	0.57	73	38	32	28	25	23	21	18.8	17.4	16.1	15.0	14.1	13.3
		90	VC	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
		100	C	0.63	81	42	36	31	28	25	23	21	19.2	17.8	16.6	15.6	14.7
51403703	AI9505EVS	30	UC	0.43	55	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
		40	XC	0.50	64	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
		50	XC	0.56	72	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
		60	VC	0.61	78	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2
		70	VC	0.66	84	44	37	33	29	26	24	22	20	18.7	17.4	16.3	15.4
		80	VC	0.71	91	47	40	35	31	28	26	23	22	20	18.7	17.6	16.5
		90	VC	0.75	96	50	42	37	33	30	27	25	23	21	19.8	18.6	17.5
		100	VC	0.79	101	52	45	39	35	31	28	26	24	22	21	19.6	18.4
51403704	AI9506EVS	30	UC	0.52	67	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
		40	UC	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
		50	XC	0.67	86	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
		60	XC	0.73	93	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0
		70	XC	0.79	101	52	45	39	35	31	28	26	24	22	21	19.6	18.4
		80	VC	0.85	109	56	48	42	37	34	31	28	26	24	22	21	19.8
		90	VC	0.90	115	59	51	45	40	36	32	30	27	25	24	22	21
		100	VC	0.95	122	63	54	47	42	38	34	31	29	27	25	24	22
51403705	AI9508EVS	30	UC	0.69	88	46	39	34	30	27	25	23	21	19.5	18.2	17.1	16.1
		40	UC	0.80	102	53	45	40	35	32	29	26	24	23	21	19.8	18.6
		50	XC	0.89	114	59	50	44	39	35	32	29	27	25	23	22	21
		60	XC	0.98	125	65	55	49	43	39	35	32	30	28	26	24	23
		70	XC	1.06	136	70	60	52	47	42	38	35	32	30	28	26	25
		80	VC	1.13	145	75	64	56	50	45	41	37	34	32	30	28	26
		90	VC	1.20	154	79	68	59	53	48	43	40	37	34	32	30	28
		100	VC	1.26	161	83	71	62	55	50	45	42	38	36	33	31	29

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



	95°	GPA CONVERSION FACTORS* 20"	30"
8"	4"	2.50	3.75
10"	5"	2.00	3.00
12"	5"	1.67	2.50
15"	7"	1.33	2.00

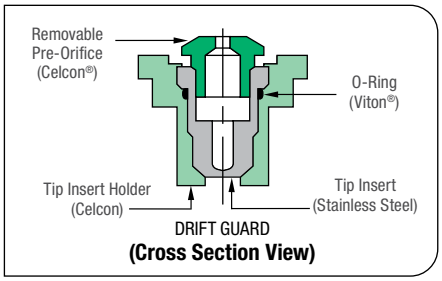
*To find GPA rate on band widths, multiply the tabulated GPA for ROW SPACING by conversion factors.

HOW TO ORDER:

Specify tip number. Example:

AI9504EVS – Stainless Steel with VisiFlo color-coding

DG TEEJET® – DRIFT GUARD EVEN FLAT SPRAY TIPS



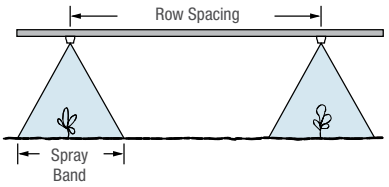
Note: Due to the pre-orifice design, this tip is not compatible with the 4193A check valve.

TYPICAL APPLICATIONS:

Can be used for pre-emerge surface-applied herbicides or post-emerge systemic herbicide applications.

FEATURES:

- Pre-orifice design produces large droplets to reduce drift.
- Ideal for banding over the row or in row middles.
- Provides uniform distribution throughout the flat spray pattern.
- Easily mounted on spray boom or planter.
- Stainless steel with VisiFlo® color-coding.



CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA 30" Field Acres 3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
51405243	DG95015EVS	30	M	0.13	17	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
		40	M	0.15	19	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
		50	F	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
		60	F	0.18	23	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
51405244	DG9502EVS	30	M	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
		40	M	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
		50	M	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
		60	M	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
51405245	DG9503EVS	30	C	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
		40	M	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
		50	M	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
		60	M	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
51405246	DG9504EVS	30	C	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
		40	C	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
		50	M	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
		60	M	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
51405247	DG9505EVS	30	C	0.43	55	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
		40	C	0.50	64	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
		50	M	0.56	72	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
		60	M	0.61	78	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

	GPA CONVERSION FACTORS*		
	95°	20"	30"
8"	4"	2.50	3.75
10"	5"	2.00	3.00
12"	5"	1.67	2.50
15"	7"	1.33	2.00

*To find GPA rate on band widths, multiply the tabulated GPA for ROW SPACING by conversion factors.

HOW TO ORDER:

Specify tip number. Example:

DG95015EVS – Stainless Steel with VisiFlo color-coding

TEEJET® – EVEN FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

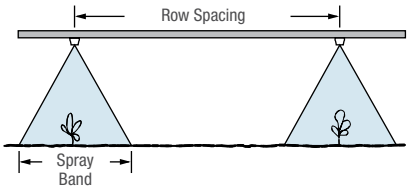
See selection guide on page 4 for recommended typical applications for TeeJet tips.

FEATURES:

- Ideal for banding over the row or in row middles.
- Provides uniform distribution throughout the flat spray pattern.
- Easily mounted on spray boom or planter.
- Available with VisiFlo® color-coding in stainless steel or all stainless steel, hardened stainless steel and brass.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 30" Field Acres 3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
51405985	TP4001E-SS†	20	0.071	4.7	4.0	3.5	3.1	2.8	2.6	2.3	2.2	2.0	1.9	1.8	1.7
		30	0.087	5.7	4.9	4.3	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.0
51405998	TP8001E-SS	40	0.10	6.6	5.7	5.0	4.4	4.0	3.6	3.3	3.0	2.8	2.6	2.5	2.3
		50	0.11	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7	2.6
		60	0.12	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4	3.2	3.0	2.8
51405984	TP40015E-SS†	20	0.11	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7	2.6
		30	0.13	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
51405993	TP80015E-SS	40	0.15	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
		50	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
		60	0.18	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
51405986	TP4002E-SS†	20	0.14	9.2	7.9	6.9	6.2	5.5	5.0	4.6	4.3	4.0	3.7	3.5	3.3
		30	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
		40	0.20	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
		50	0.22	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
		60	0.24	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
51405987	TP4003E-SS†	20	0.21	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9	5.5	5.2	4.9
		30	0.26	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
51406010	TP8003E-SS	40	0.30	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
		50	0.34	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
		60	0.37	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
51405988	TP4004E-SS†	20	0.28	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
		30	0.35	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
51406016 51406017	TP8004E-SS TP8004EVS	40	0.40	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
		50	0.45	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
		60	0.49	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
51405989	TP4005E-SS†	20	0.35	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
		30	0.43	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
51406023 51406024	TP8005E-SS TP8005EVS	40	0.50	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
		50	0.56	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
		60	0.61	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2
51406030 51406031	TP8006E-SS TP8006EVS	20	0.42	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9	11.1	10.4	9.8
		30	0.52	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
		40	0.60	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
		50	0.67	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
		60	0.73	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0
51405975	TP11008E-SS†	20	0.57	38	32	28	25	23	21	18.8	17.4	16.1	15.0	14.1	13.3
		30	0.69	46	39	34	30	27	25	23	21	19.5	18.2	17.1	16.1
51406037 51406038	TP8008E-SS TP8008EVS	40	0.80	53	45	40	35	32	29	26	24	23	21	19.8	18.6
		50	0.89	59	50	44	39	35	32	29	27	25	23	22	21
		60	0.98	65	55	49	43	39	35	32	30	28	26	24	23
51406044 51405979	TP8010E-SS† TP11010E-SS†	20	0.71	47	40	35	31	28	26	23	22	20	18.7	17.6	16.5
		30	0.87	57	49	43	38	34	31	29	27	25	23	22	20
		40	1.00	66	57	50	44	40	36	33	30	28	26	25	23
		50	1.12	74	63	55	49	44	40	37	34	32	30	28	26
		60	1.22	81	69	60	54	48	44	40	37	35	32	30	28
51406048 51405981	TP8015E-SS† TP11015E-SS†	20	1.06	70	60	52	47	42	38	35	32	30	28	26	25
		30	1.30	86	74	64	57	51	47	43	40	37	34	32	30
		40	1.50	99	85	74	66	59	54	50	46	42	40	37	35
		50	1.68	111	95	83	74	67	60	55	51	48	44	42	39
		60	1.84	121	104	91	81	73	66	61	56	52	49	46	43

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information. †Available in brass and/or stainless steel and/or hardened stainless steel.



						GPA CONVERSION FACTORS*	
	40°	65°	80°	95°	110°	20"	30"
8"	11"	6"	5"	4"	3"	2.50	3.75
10"	14"	8"	6"	5"	4"	2.00	3.00
12"	16"	9"	7"	5"	4"	1.67	2.50
15"	21"	12"	9"	7"	5"	1.33	2.00

*To find GPA rate on band widths, multiply the tabulated GPA for ROW SPACING by conversion factors.

HOW TO ORDER:

Specify tip number. Examples:

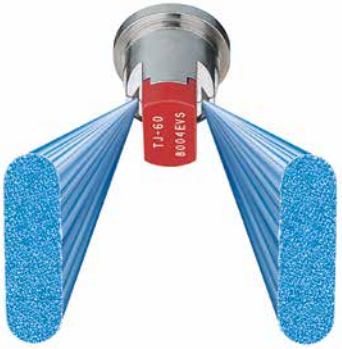
TP8002EVS – Stainless Steel with VisiFlo color-coding

TP8002E-HSS – Hardened Stainless Steel

TP8002E-SS – Stainless Steel

TP8002E – Brass

TWINJET® — EVEN FLAT SPRAY TIPS



FEATURES:

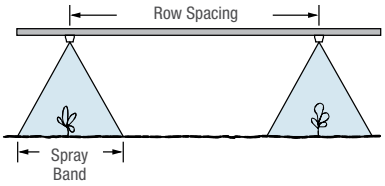
- Ideal for banding over or between crop rows.
- Provides uniform distribution throughout the spray pattern.
- Available in 80° and 40° twin flat spray patterns.
- Made of stainless steel with VisiFlo® coding.
- Can be used with 25598 Quick TeeJet® cap. See page 80 for more information.

40° AND 80° E SERIES

TwinJet even tips combine the advantages of twin flat spray patterns with even distribution across the pattern. The twin flat sprays provide improved coverage of crop or weed without sacrificing uniformity. The smaller droplet size makes this tip ideal for providing a thorough, penetrating coverage with post-emergence contact herbicides.

These tips also provide good pre-emergence coverage on cloddy fields and fields covered with crop residue.

See selection guide on page 4 for recommended typical applications for TwinJet tips.



CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE 80°	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA 30" Field Acres 3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
51405856 51405868	TJ60-4002EVS TJ60-8002EVS	30	F	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
		40	F	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
		50	F	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
		60	F	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
51405858 51405870	TJ60-4003EVS TJ60-8003EVS	30	F	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
		40	F	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
		50	F	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
		60	F	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
51405859 51405872	TJ60-4004EVS TJ60-8004EVS	30	M	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
		40	F	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
		50	F	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
		60	F	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
51405875	TJ60-8006EVS	30	M	0.52	67	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
		40	M	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
		50	M	0.67	86	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
		60	M	0.73	93	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0

			GPA CONVERSION FACTORS*	
	40°	80°	20"	30"
8"	11"	5"	2.50	3.75
10"	14"	6"	2.00	3.00
12"	16"	7"	1.67	2.50
15"	21"	9"	1.33	2.00

*To find GPA rate on band widths, multiply the tabulated GPA for ROW SPACING by conversion factors.

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

HOW TO ORDER:

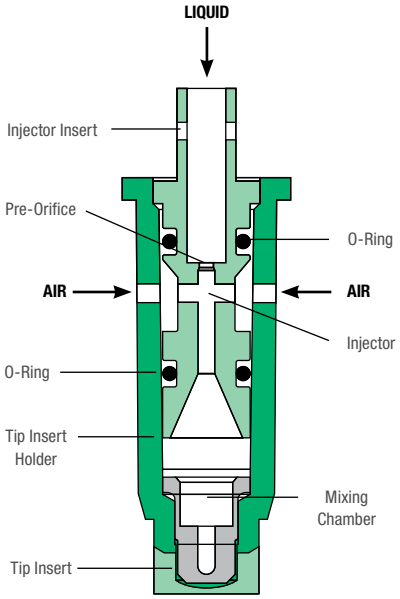
Specify tip number. Example:

TJ60-4002EVS – Stainless Steel with VisiFlo color-coding

AIUB TEEJET® – BANDING AND DIRECTED SPRAY NOZZLES

AIR INDUCTION UNDERLEAF BANDING SPRAY TIP

- Larger droplets for less drift.
- Off-center spray pattern with flat spray characteristics.
- Underleaf banding of pesticides or liquid fertilizers.
- Used at the end of the spray boom around the perimeter of the field to protect sensitive areas.
- Spraying pressure of 30–115 PSI (2–8 bar).
- Can be used with 25598-*-NYR Quick TeeJet® cap. See page 80 for more information.



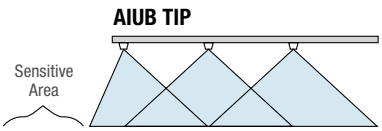
Note: Due to the pre-orifice design, this tip is not compatible with the 4193A check valve.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA 20" 3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	GPA 30" 3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH
51403764	AIUB8502VS	30	UC	0.17	22	16.8	12.6	10.1	8.4	7.2	6.3	11.2	8.4	6.7	5.6	4.8	4.2
		40	XC	0.20	26	19.8	14.9	11.9	9.9	8.5	7.4	13.2	9.9	7.9	6.6	5.7	5.0
		50	XC	0.22	28	22	16.3	13.1	10.9	9.3	8.2	14.5	10.9	8.7	7.3	6.2	5.4
		60	VC	0.24	31	24	17.8	14.3	11.9	10.2	8.9	15.8	11.9	9.5	7.9	6.8	5.9
		70	VC	0.26	33	26	19.3	15.4	12.9	11.0	9.7	17.2	12.9	10.3	8.6	7.4	6.4
		80	VC	0.28	36	28	21	16.6	13.9	11.9	10.4	18.5	13.9	11.1	9.2	7.9	6.9
		90	VC	0.30	38	30	22	17.8	14.9	12.7	11.1	19.8	14.9	11.9	9.9	8.5	7.4
		100	C	0.32	41	32	24	19.0	15.8	13.6	11.9	21	15.8	12.7	10.6	9.1	7.9
51403763	AIUB85025VS	30	UC	0.22	28	22	16.3	13.1	10.9	9.3	8.2	14.5	10.9	8.7	7.3	6.2	5.4
		40	XC	0.25	32	25	18.6	14.9	12.4	10.6	9.3	16.5	12.4	9.9	8.3	7.1	6.2
		50	XC	0.28	36	28	21	16.6	13.9	11.9	10.4	18.5	13.9	11.1	9.2	7.9	6.9
		60	XC	0.31	40	31	23	18.4	15.3	13.2	11.5	20	15.3	12.3	10.2	8.8	7.7
		70	VC	0.33	42	33	25	19.6	16.3	14.0	12.3	22	16.3	13.1	10.9	9.3	8.2
		80	VC	0.35	45	35	26	21	17.3	14.9	13.0	23	17.3	13.9	11.6	9.9	8.7
		90	VC	0.38	49	38	28	23	18.8	16.1	14.1	25	18.8	15.0	12.5	10.7	9.4
		100	C	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
51403765	AIUB8503VS	30	UC	0.26	33	26	19.3	15.4	12.9	11.0	9.7	17.2	12.9	10.3	8.6	7.4	6.4
		40	XC	0.30	38	30	22	17.8	14.9	12.7	11.1	19.8	14.9	11.9	9.9	8.5	7.4
		50	XC	0.34	44	34	25	20	16.8	14.4	12.6	22	16.8	13.5	11.2	9.6	8.4
		60	XC	0.37	47	37	27	22	18.3	15.7	13.7	24	18.3	14.7	12.2	10.5	9.2
		70	VC	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
		80	VC	0.42	54	42	31	25	21	17.8	15.6	28	21	16.6	13.9	11.9	10.4
		90	VC	0.45	58	45	33	27	22	19.1	16.7	30	22	17.8	14.9	12.7	11.1
		100	C	0.47	60	47	35	28	23	19.9	17.4	31	23	18.6	15.5	13.3	11.6
51403766	AIUB8504VS	30	UC	0.35	45	35	26	21	17.3	14.9	13.0	23	17.3	13.9	11.6	9.9	8.7
		40	XC	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
		50	XC	0.45	58	45	33	27	22	19.1	16.7	30	22	17.8	14.9	12.7	11.1
		60	XC	0.49	63	49	36	29	24	21	18.2	32	24	19.4	16.2	13.9	12.1
		70	VC	0.53	68	52	39	31	26	22	19.7	35	26	21	17.5	15.0	13.1
		80	VC	0.57	73	56	42	34	28	24	21	38	28	23	18.8	16.1	14.1
		90	VC	0.60	77	59	45	36	30	25	22	40	30	24	19.8	17.0	14.9
		100	C	0.63	81	62	47	37	31	27	23	42	31	25	21	17.8	15.6

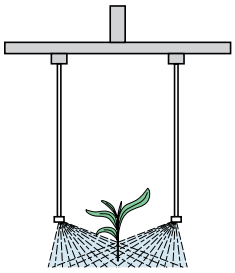
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

TYPICAL APPLICATIONS:

- Used at the end of the spray boom around the perimeter of the field to protect sensitive areas.



- Underleaf banding of pesticides or liquid fertilizers.



HOW TO ORDER:

Specify tip number. Example:

AIUB85025-VS – Stainless Steel with VisiFlo® color-coding

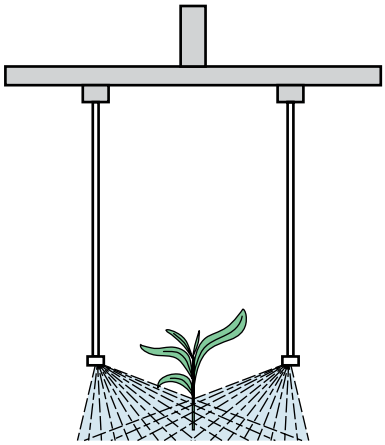
TEEJET® — UB – UNDERLEAF BANDING SPRAY TIPS

FEATURES:

- Off-center tip with tapered flat spray characteristics.
- 85° spray angle.
- Available in brass or stainless steel.
- Operating pressure 20–60 PSI (1.5–4 bar).
- Uniform distribution.
- Capacities of 0075 to 04.

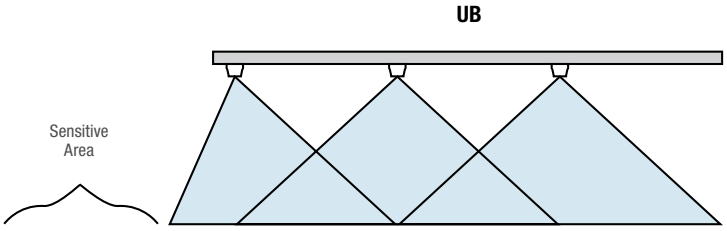
TYPICAL APPLICATIONS:

- Underleaf band application of contact herbicides in combination with mechanical cultivation.
- Band application of contact herbicides or liquid fertilizer.



CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY TWO NOZZLES IN GPM	CAPACITY TWO NOZZLES IN OZ./MIN.	GPA 30" (TWO NOZZLES PER ROW)										
					2 MPH	2.5 MPH	3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH
51405164	D25143-UB-850075	20	0.11	14	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1
		30	0.13	17	12.9	10.3	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7
		40	0.15	19	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2
		50	0.17	22	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8
		60	0.18	23	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
51405168	D25143-UB-8501-SS	20	0.14	18	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0	4.6	4.3	4.0
		30	0.17	22	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8
		40	0.20	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7
		50	0.22	28	22	17.4	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2
		60	0.24	31	24	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8
51405167	D25143-UB-85015-SS	20	0.21	27	21	16.6	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9
		30	0.26	33	26	21	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4
		40	0.30	38	30	24	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5
		50	0.34	44	34	27	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6
		60	0.37	47	37	29	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5
51405170	D25143-UB-8502-SS	20	0.28	36	28	22	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9
		30	0.35	45	35	28	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9
		40	0.40	51	40	32	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3
		50	0.45	58	45	36	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7
		60	0.49	63	49	39	32	28	24	22	19.4	17.6	16.2	14.9	13.9
51405172	D25143-UB-8503-SS	20	0.42	54	42	33	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9
		30	0.52	67	51	41	34	29	26	23	21	18.7	17.2	15.8	14.7
		40	0.60	77	59	48	40	34	30	26	24	22	19.8	18.3	17.0
		50	0.67	86	66	53	44	38	33	29	27	24	22	20	19.0
		60	0.73	93	72	58	48	41	36	32	29	26	24	22	21
51405174	D25143-UB-8504-SS	20	0.57	73	56	45	38	32	28	25	23	21	18.8	17.4	16.1
		30	0.69	88	68	55	46	39	34	30	27	25	23	21	19.5
		40	0.80	102	79	63	53	45	40	35	32	29	26	24	23
		50	0.89	114	88	70	59	50	44	39	35	32	29	27	25
		60	0.98	125	97	78	65	55	49	43	39	35	32	30	28

Note: Always double check your application rates.
Tabulations are based on spraying water at 70°F (21°C).



See pages 7–27 for useful formulas and other information.

UNDERLEAF BAND APPLICATION

- Directed application under crop canopy.
- Nozzle spacing 10" (0.25 m)—two tips per row.
- Adjust tip height and nozzle orientation to achieve desired band width.

HOW TO ORDER:

Specify tip number. Examples:

D25143-UB-8501 – Brass

D25143-UB-8501-SS FL-5VC – Stainless Steel

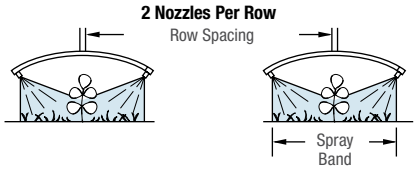
CONEJET® – CERAMIC VISIFLO® SPRAY TIPS

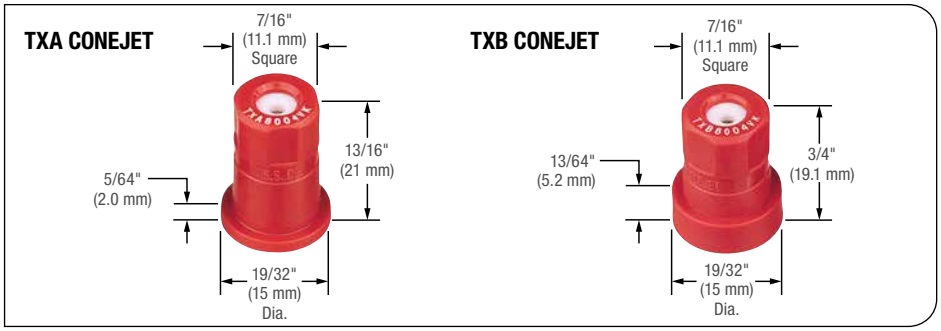
TYPICAL APPLICATIONS:

See selection guide on page 5 for recommended typical applications for ConeJet tips.

FEATURES:

- Polypropylene body and ceramic orifice insert for long wear life.
- Resists corrosion.
- Accepts more abrasive materials.
- Popular nozzle sizes fit most sprayers.
- Operating pressures to 300 PSI (20 bar).
- Incorporates ISO color-coding scheme.
- Ideal for banding with two or three nozzles over the row.
- Finely atomized spray pattern provides thorough coverage.





	GPA CONVERSION FACTORS* 30"
8"	3.75
10"	3.00
12"	2.50
15"	2.00

*To find GPA rate on band widths, multiply the tabulated GPA for ROW SPACING by the conversion factors.

HOW TO ORDER:

Specify tip number. Example:

TXA8004VK – Ceramic with VisiFlo color-coding

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY TWO NOZZLES IN GPM	CAPACITY TWO NOZZLES IN OZ./MIN.	GPA 30" 3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	PSI	CAPACITY THREE NOZZLES IN GPM	CAPACITY THREE NOZZLES IN OZ./MIN.	GPA 30" 3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
51406100 51406107	TXA800050VK TXB800050VK	40	0.10	13	6.6	5.0	4.0	3.3	2.8	40	0.15	19	9.9	7.4	5.9	5.0	4.2
		60	0.12	15	7.9	5.9	4.8	4.0	3.4	60	0.18	23	11.9	8.9	7.1	5.9	5.1
		80	0.14	18	9.2	6.9	5.5	4.6	4.0	80	0.20	26	13.2	9.9	7.9	6.6	5.7
		100	0.15	19	9.9	7.4	5.9	5.0	4.2	100	0.22	28	14.5	10.9	8.7	7.3	6.2
		125	0.16	20	10.6	7.9	6.3	5.3	4.5	125	0.25	32	16.5	12.4	9.9	8.3	7.1
51406101 51406108	TXA800067VK TXB800067VK	40	0.13	17	8.6	6.4	5.1	4.3	3.7	40	0.20	26	13.2	9.9	7.9	6.6	5.7
		60	0.16	20	10.6	7.9	6.3	5.3	4.5	60	0.24	31	15.8	11.9	9.5	7.9	6.8
		80	0.18	23	11.9	8.9	7.1	5.9	5.1	80	0.27	35	17.8	13.4	10.7	8.9	7.6
		100	0.20	26	13.4	10.0	8.0	6.7	5.7	100	0.30	39	20	15.0	12.0	10.0	8.6
		125	0.22	29	14.8	11.1	8.9	7.4	6.3	125	0.34	43	22	16.6	13.3	11.1	9.5
51406103 51406110	TXA8001VK TXB8001VK	40	0.20	26	13.2	9.9	7.9	6.6	5.7	40	0.30	38	19.8	14.9	11.9	9.9	8.5
		60	0.24	31	15.9	11.9	9.5	7.9	6.8	60	0.36	46	24	17.9	14.3	11.9	10.2
		80	0.27	35	18.1	13.6	10.9	9.1	7.8	80	0.41	53	27	20	16.3	13.6	11.6
		100	0.30	39	20	15.0	12.0	10.0	8.6	100	0.46	58	30	23	18.0	15.0	12.9
		125	0.34	43	22	16.6	13.3	11.1	9.5	125	0.50	65	33	25	20	16.6	14.3
51406102 51406109	TXA80015VK TXB80015VK	40	0.30	38	19.8	14.9	11.9	9.9	8.5	40	0.45	58	30	22	17.8	14.9	12.7
		60	0.36	47	24	18.0	14.4	12.0	10.3	60	0.55	70	36	27	22	18.0	15.5
		80	0.42	53	28	21	16.5	13.8	11.8	80	0.63	80	41	31	25	21	17.7
		100	0.46	60	31	23	18.4	15.3	13.1	100	0.70	89	46	35	28	23	19.7
		125	0.52	66	34	26	20	17.1	14.6	125	0.78	99	51	38	31	26	22
51406104 51406111	TXA8002VK TXB8002VK	40	0.40	51	26	19.8	15.8	13.2	11.3	40	0.60	77	40	30	24	19.8	17.0
		60	0.49	62	32	24	19.2	16.0	13.7	60	0.73	93	48	36	29	24	21
		80	0.56	71	37	28	22	18.4	15.8	80	0.84	107	55	41	33	28	24
		100	0.62	79	41	31	25	20	17.5	100	0.93	119	61	46	37	31	26
		125	0.69	88	46	34	27	23	19.5	125	1.03	132	68	51	41	34	29
51406105 51406112	TXA8003VK TXB8003VK	40	0.60	77	40	30	24	19.8	17.0	40	0.90	115	59	45	36	30	25
		60	0.73	94	48	36	29	24	21	60	1.10	141	73	54	44	36	31
		80	0.85	108	56	42	34	28	24	80	1.27	162	84	63	50	42	36
		100	0.94	121	62	47	37	31	27	100	1.42	181	94	70	56	47	40
		125	1.06	135	70	52	42	35	30	125	1.58	203	105	78	63	52	45
51406106 51406113	TXA8004VK TXB8004VK	40	0.80	102	53	40	32	26	23	40	1.20	154	79	59	48	40	34
		60	0.98	125	65	48	39	32	28	60	1.47	188	97	73	58	48	42
		80	1.13	144	74	56	45	37	32	80	1.69	217	112	84	67	56	48
		100	1.26	161	83	62	50	42	36	100	1.89	242	125	94	75	62	53
		125	1.41	180	93	70	56	46	40	125	2.11	270	139	105	84	70	60

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information.

CONEJET® — VISIFLO® HOLLOW CONE SPRAY TIPS

TYPICAL APPLICATIONS:

Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops. Also well-suited for applications of insecticides, fungicides, defoilants and foliar fertilizers at pressures of 40 PSI (3 bar) and above.

FEATURES:

- VisiFlo color-coded version consists of stainless steel or ceramic orifice in polypropylene body. Maximum operating pressure 300 PSI (20 bar). Spray angle is 80° at 100 PSI (7 bar).
- Finely atomized spray pattern provides thorough coverage.
- TX-VS1 and TX-VS2 available in VisiFlo color-coded stainless steel only.

HOW TO ORDER:

Specify tip number.
Examples:

TX-VS4 – Stainless Steel with VisiFlo color-coding

TX-4 – Brass

TX-SS4 – Stainless Steel

TX-VK4 – Ceramic with VisiFlo color-coding

CNH INDUSTRIAL PART NO.	TEEJET PART NO.		GPM																	
			30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
51406122	TX-VS1	100	0.015	0.017	0.018	0.020	0.021	0.022	0.023	0.024	0.026	0.028	0.030	0.031	0.032	0.034	0.035	0.036	0.037	0.038
			VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406126	TX-VS2	100	0.029	0.033	0.037	0.040	0.043	0.045	0.047	0.050	0.054	0.058	0.061	0.064	0.067	0.070	0.073	0.075	0.078	0.080
			VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406118 51406128	TX-VK3 TX-VS3	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
			F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406119 51406129	TX-VK4 TX-VS4	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
			F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406120 51406130	TX-VK6 TX-VS6	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
			F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406121 51406131	TX-VK8 TX-VS8	50	0.116	0.133	0.148	0.162	0.174	0.186	0.196	0.207	0.225	0.243	0.259	0.274	0.288	0.301	0.314	0.326	0.338	0.349
			F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406114 51406123	TX-VK10 TX-VS10	50	0.145	0.167	0.185	0.202	0.218	0.232	0.246	0.258	0.282	0.303	0.323	0.342	0.360	0.376	0.392	0.408	0.422	0.437
			F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406115 51406124	TX-VK12 TX-VS12	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
			F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406116 51406125	TX-VK18 TX-VS18	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
			F	F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406117 51406127	TX-VK26 TX-VS26	50	0.376	0.433	0.484	0.530	0.572	0.611	0.648	0.683	0.747	0.807	0.862	0.914	0.963	1.01	1.05	1.10	1.14	1.18
			F	F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

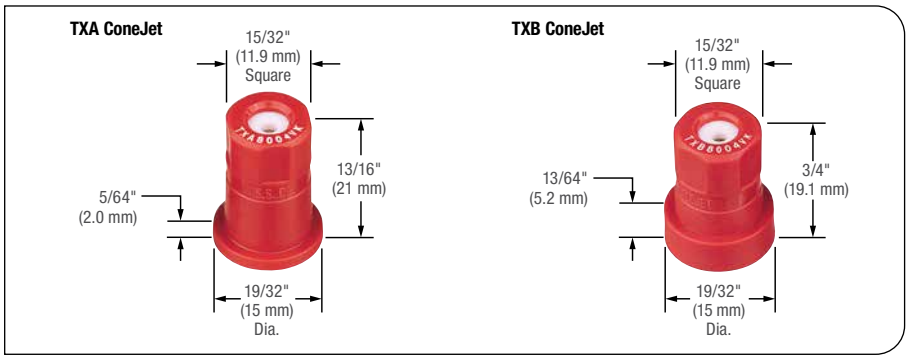
CONEJET® – VISIFLO® HOLLOW CONE SPRAY TIPS

TYPICAL APPLICATIONS:

Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops. Also well-suited for applications of insecticides, fungicides, defoilants and foliar fertilizers at pressures of 40 PSI (3 bar) and above.

FEATURES:

- Maximum operating pressure 300 PSI (20 bar). Spray angle is 80° at 100 PSI (7 bar).
- Finely atomized spray pattern provides thorough coverage.
- Longer wear life.
- Resists corrosion.
- Accepts more abrasive pesticide formulation.
- Polypropylene body for use with corrosive materials and ceramic insert.
- Popular nozzle sizes fit most sprayers.
- Incorporates ISO color-coding scheme.



HOW TO ORDER:

Specify tip number.
Example:

TXA8004VK – Ceramic with VisiFlo color-coding

CNH INDUSTRIAL PART NO.	TEEJET PART NO.		GPM																	
			30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
51406100 51406107	TXA800050VK TXB800050VK	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
			F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406101 51406108	TXA800067VK TXB800067VK	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
			F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406103 51406110	TXA8001VK TXB8001VK	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
			F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406102 51406109	TXA80015VK TXB80015VK	50	0.131	0.150	0.167	0.182	0.196	0.209	0.221	0.232	0.254	0.273	0.291	0.308	0.324	0.339	0.353	0.367	0.380	0.393
			F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406104 51406111	TXA8002VK TXB8002VK	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
			F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406105 51406112	TXA8003VK TXB8003VK	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
			F	F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
51406106 51406113	TXA8004VK TXB8004VK	50	0.347	0.400	0.447	0.489	0.528	0.564	0.598	0.630	0.690	0.745	0.796	0.843	0.889	0.932	0.973	1.01	1.05	1.09
			F	F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

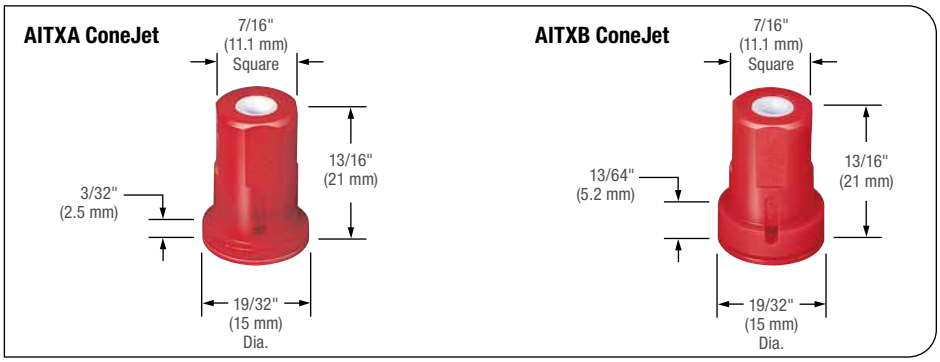
AITX CONEJET® – AIR INDUCTION HOLLOW CONE SPRAY TIPS

TYPICAL APPLICATIONS:

Hollow cone spray pattern is ideal for air blast and directed spray applications.

FEATURES:

- Constructed of polypropylene, ceramic and Viton® for excellent chemical and wear resistance.
- Removable pre-orifice for fast and easy cleaning.
- Available in VisiFlo® ceramic (VK).
- Larger droplets are produced, as compared to standard TX ConeJet, through the use of a venturi air aspirator resulting in reduced drift and improved canopy penetration.
- Ideal for sprayers equipped with automatic control systems.
- AITXA to be used with CP25607-*-NY Quick TeeJet cap.
- AITXB to be used with Albuz® caps or equivalent.
- Suggested spray pressure of 60–300 PSI (4–20 bar).



HOW TO ORDER:

Specify tip number.

Example:

AITXA8001VK – Ceramic with VisiFlo color-coding

CNH INDUSTRIAL PART NO.	TEEJET PART NO.		GPM														
			60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
51403752	AITXA8001VK	50	0.121	0.130	0.138	0.146	0.154	0.168	0.181	0.192	0.203	0.214	0.224	0.233	0.242	0.251	0.260
51403758	AITXB8001VK		XC	XC	VC	VC	VC	C	C	C	C	C	C	C	M	M	M
51403751	AITXA80015VK	50	0.181	0.195	0.209	0.221	0.233	0.255	0.275	0.294	0.312	0.328	0.344	0.359	0.374	0.388	0.401
51403757	AITXB80015VK		XC	XC	XC	VC	VC	C	C	C	C	C	C	C	M	M	M
51403754	AITXA8002VK	50	0.247	0.195	0.286	0.303	0.320	0.351	0.379	0.405	0.430	0.453	0.476	0.497	0.517	0.537	0.556
51403760	AITXB8002VK		XC	XC	XC	XC	XC	VC	VC	VC	VC	C	C	C	C	C	C
51403753	AITXA80025VK	50	0.300	0.324	0.347	0.368	0.387	0.424	0.458	0.490	0.519	0.548	0.574	0.600	0.624	0.648	0.670
51403759	AITXB80025VK		UC	UC	XC	XC	XC	XC	XC	XC	VC	VC	VC	VC	VC	VC	C
51403755	AITXA8003VK	50	0.360	0.389	0.417	0.443	0.467	0.513	0.554	0.594	0.630	0.665	0.698	0.730	0.760	0.790	0.818
51403761	AITXB8003VK		UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	VC	VC	C	C	C
51403756	AITXA8004VK	50	0.480	0.519	0.556	0.590	0.623	0.684	0.740	0.792	0.841	0.887	0.931	0.974	1.01	1.05	1.09
51403762	AITXB8004VK		UC	UC	UC	UC	XC	XC	XC	XC	XC	VC	VC	VC	VC	VC	VC

†Specify "A" or "B." **Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for drop size classification, useful formulas and other information.

CONEJET® – VISIFLO® HOLLOW CONE SPRAY TIPS

TYPICAL ASSEMBLY

4514-NY
Slotted Strainer*

Core

Disc

CP20230
TeeJet Cap

*Use CP20229-NY gasket when 4514-NY Nylon slotted strainer is not used.

98450 DOUBLE OUTLET ROLLOVER

For a complete listing of rollover options, please see page 88.

TEEJET® – VISIFLO® FLAT SPRAY TIPS

TYPICAL APPLICATIONS:

Excellent: Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops. Also well-suited for applications of insecticides, fungicides, defoilants and foliar fertilizers at pressures of 40 PSI (3 bar) and above.

FEATURES:

- Tapered-edge flat spray pattern for uniform coverage.
- VisiFlo color-coded version available with ceramic orifice.
- Maximum pressure rating of 300 PSI (20 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.		GPM																	
			30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
51406000	TP8001VK	100	0.087	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27
51405994	TP80015VK	100	0.13	0.15	0.17	0.18	0.20	0.21	0.23	0.24	0.26	0.28	0.30	0.32	0.34	0.35	0.37	0.38	0.40	0.41
51406005	TP8002VK	50	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.35	0.37	0.40	0.42	0.45	0.47	0.49	0.51	0.53	0.55

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information.

TEEJET® — DISC-CORE TYPE HOLLOW CONE SPRAY TIPS

TYPICAL ASSEMBLY WITH CERAMIC DISC AND CORE

TeeJet Nozzle Body | 4514-NY Slotted Strainer* | Core | Disc | CP20230 TeeJet Cap

*Use CP20229-NY gasket when 4514-NY Nylon slotted strainer is not used.

Hollow Cone Spray Pattern
Produced by Cores #13, 23, 25, 45 & 46

HOLLOW CONE TYPE SPRAY TIPS

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.		GPM										SPRAY ANGLE		
					10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
51405157	D1	51405182	DC13	.031"	—	—	.059	.066	.078	.088	.097	.115	.128	.152	—	51°	62°
51405158	D1.5			.036"	—	.057	.067	.075	.088	.098	.110	.127	.142	.167	38°	55°	66°
51405163	D2			.041"	—	.064	.075	.08	.10	.11	.12	.14	.16	.18	49°	67°	72°
51405175	D3			.047"	—	.071	.08	.09	.11	.12	.13	.16	.18	.20	53°	70°	75°
51405176	D4			.063"	.070	.09	.11	.12	.14	.16	.17	.20	.23	.27	69°	79°	83°
51405157	D1	51405186	DC23	.031"	—	—	.064	.072	.080	.096	.107	.124	.139	.164	—	47°	58°
51405158	D1.5			.036"	—	.064	.076	.086	.103	.117	.130	.155	.175	.210	34°	51°	62°
51405163	D2			.041"	—	.078	.092	.10	.13	.14	.16	.19	.21	.25	51°	63°	70°
51405175	D3			.047"	.065	.087	.10	.12	.14	.16	.18	.21	.24	.28	58°	69°	75°
51405176	D4			.063"	.082	.113	.14	.15	.19	.21	.23	.28	.32	.38	68°	82°	87°
51405178	D5			.078"	.095	.13	.16	.18	.22	.25	.28	.34	.38	.46	79°	89°	94°
51405179	D6			.094"	.112	.15	.19	.21	.26	.29	.32	.39	.45	.54	84°	93°	98°
51405157	D1	51405190	DC25	.031"	—	—	.088	.101	.122	.138	.156	.185	.210	.255	—	27°	43°
51405158	D1.5			.036"	—	—	.118	.135	.162	.185	.205	.245	.280	.33	—	38°	49°
51405163	D2			.041"	—	.12	.14	.16	.19	.22	.25	.29	.34	.41	39°	51°	58°
51405175	D3			.047"	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	52°	61°	67°
51405176	D4			.063"	.15	.21	.25	.29	.35	.40	.45	.54	.62	.75	67°	74°	80°
51405178	D5			.078"	.18	.25	.30	.35	.42	.48	.54	.65	.75	.90	73°	79°	84°
51405179	D6			.094"	.23	.32	.39	.44	.54	.62	.70	.85	.97	1.19	79°	85°	89°
51405180	D7			.109"	.26	.37	.45	.52	.63	.73	.81	.98	1.18	1.37	85°	91°	93°
51405181	D8			.125"	.31	.43	.53	.61	.75	.89	.97	1.19	1.36	1.68	91°	96°	97°
51405159	D10			.156"	.38	.54	.65	.76	.93	1.07	1.21	1.48	1.71	2.1	97°	102°	103°
51405160	D12			.188"	.46	.61	.80	.93	1.15	1.32	1.47	1.81	2.09	2.55	103°	109°	112°
51405161	D14			.219"	.51	.72	.88	1.03	1.26	1.47	1.65	2.02	2.34	2.89	108°	113°	114°
51405157	D1	51405207	DC45	.031"	—	—	—	.125	.148	.170	.190	.225	.257	.310	—	22°	34°
51405158	D1.5			.036"	—	—	.14	.16	.20	.23	.25	.31	.35	.43	—	33°	44°
51405163	D2			.041"	—	.14	.18	.20	.25	.28	.32	.38	.44	.53	32°	46°	55°
51405175	D3			.047"	—	.17	.20	.23	.28	.33	.36	.44	.51	.62	40°	53°	60°
51405176	D4			.063"	.18	.25	.31	.36	.43	.50	.56	.68	.78	.95	62°	69°	72°
51405178	D5			.078"	.23	.32	.39	.45	.55	.64	.71	.86	.99	1.22	67°	73°	76°
51405179	D6			.094"	.29	.41	.50	.58	.72	.83	.93	1.15	1.33	1.64	73°	79°	81°
51405180	D7			.109"	.33	.48	.59	.68	.84	.97	1.11	1.35	1.57	1.94	81°	86°	87°
51405181	D8			.125"	.41	.59	.72	.84	1.04	1.21	1.35	1.68	1.94	2.40	86°	90°	90°
51405159	D10			.156"	.54	.77	.94	1.10	1.35	1.57	1.77	2.18	2.50	3.10	90°	93°	93°
51405160	D12			.188"	.67	.95	1.17	1.36	1.68	1.95	2.20	2.69	3.11	3.80	97°	100°	102°
51405161	D14			.218"	.75	1.07	1.32	1.53	1.89	2.19	2.45	3.00	3.49	4.30	101°	104°	105°
51405162	D16			.250"	.86	1.25	1.54	1.79	2.20	2.57	2.89	3.54	4.11	5.20	108°	111°	112°
51405157	D1	51405211	DC46	.031"	—	—	—	.145	.178	.205	.23	.28	.32	.39	—	13°	15°
51405158	D1.5			.036"	—	—	—	.213	.260	.300	.33	.41	.46	.56	—	15°	17°
51405163	D2			.041"	—	—	.24	.27	.33	.37	.42	.50	.57	.68	—	18°	21°
51405175	D3			.047"	—	.23	.28	.32	.39	.45	.51	.61	.70	.86	14°	20°	24°
51405176	D4			.063"	.28	.39	.48	.56	.68	.78	.88	1.07	1.23	1.52	23°	29°	33°
51405178	D5			.078"	.38	.54	.66	.77	.94	1.10	1.25	1.50	1.73	2.13	33°	39°	42°
51405179	D6			.094"	.55	.78	.95	1.10	1.35	1.58	1.73	2.16	2.50	3.06	42°	48°	50°
51405180	D7			.109"	—	.98	1.22	1.39	1.72	1.97	2.22	2.73	3.15	3.85	48°	53°	56°
51405181	D8			.125"	—	—	1.59	1.84	2.25	2.62	2.93	3.60	4.17	5.05	—	60°	62°
51405159	D10			.156"	—	—	2.15	2.48	3.05	3.53	3.96	4.83	5.59	6.80	—	66°	68°

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

CP26277-1-NY QUICK TEEJET® CAP

For ceramic disc and core.
See page 80 for ordering information.

HOW TO ORDER:

To order orifice disc only, specify disc number and material.
Note: For proper assembly and performance, disc and core must both be of like materials.

Examples:

DCER-2 – Ceramic
D2 – Hardened Stainless Steel
DE-2 – Stainless Steel
DVP-2 – Polymer

To order core only, specify core number and material.

Examples:

DC13-CER – Ceramic
DC13-HSS – Hardened Stainless Steel
DC13 – Brass
DC13-NY – Nylon

STRAINER NOTE: For nozzles using orifice disc numbers 1, 1.5 and 2, or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.

TEEJET® — DISC-CORE TYPE FULL CONE SPRAY TIPS

TYPICAL APPLICATIONS:

For spraying pesticides at higher pressures and flow rates. Especially suitable for wettable powders and other abrasive chemicals. Larger capacity nozzles are also used in air blast sprayers.

FEATURES:

- Produce smaller droplets for thorough coverage with contact pesticides and foliar applications.
- Maximum spray pressure to 300 PSI (20 bar).

Full Cone Spray Pattern

Produced by Cores #31, 33, 35 & 56

ORIFICE DISCS

Available in a variety of sizes and materials. Ceramic for increased wear life, hardened stainless steel, stainless steel and polymer.

CERAMIC SIZES AVAILABLE:

DCER-2 through DCER-8, DCER-10.

Ceramic | Hardened Stainless Steel | Stainless Steel | Polymer

CORES

Standard cores are made of brass. Also available in ceramic, hardened stainless steel and Nylon. All cores with the exception of ceramic are made with rear "nibs." Make sure core is always placed with the nib facing the nozzle body.

CERAMIC SIZES AVAILABLE:

DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC33-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER.

Ceramic | Hardened Stainless Steel | Brass | Nylon | CP18999 | Seal

FULL CONE TYPE SPRAY TIPS

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.		GPM										80°		
					10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
51405157	D1	51405196	DC31-CER	.031"	.08	.11	.13	.15	.18	.20	.23	.27	.31	.37	49°	47°	43°
51405158	D1.5	51405196	DC31-CER	.036"	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	57°	65°	53°
51405163	D2	51405196	DC31-CER	.041"	.12	.16	.19	.22	.26	.30	.33	.40	.45	.55	62°	63°	61°
51405175	D3	51405196	DC31-CER	.047"	.13	.18	.21	.24	.29	.33	.37	.44	.50	.60	63°	65°	63°
51405157	D1	51405199	DC33	.031"	.09	.11	.12	.14	.17	.20	.22	.26	.30	.37	27°	32°	35°
51405158	D1.5	51405199	DC33	.036"	.12	.15	.17	.19	.23	.26	.30	.36	.41	.50	37°	43°	45°
51405163	D2	51405199	DC33	.041"	.13	.17	.21	.24	.29	.33	.37	.45	.52	.63	45°	52°	55°
51405175	D3	51405199	DC33	.047"	.15	.21	.25	.29	.36	.41	.45	.55	.63	.76	48°	54°	57°
51405176	D4	51405199	DC33	.063"	.20	.28	.34	.39	.47	.54	.60	.73	.83	1.02	50°	56°	61°
51405157	D1	51405203	DC35	.031"	.08	.11	.13	.14	.17	.20	.22	.26	.29	.35	19°	23°	26°
51405158	D1.5	51405203	DC35	.036"	.10	.14	.17	.19	.23	.26	.29	.34	.39	.46	23°	27°	29°
51405163	D2	51405203	DC35	.041"	.14	.18	.24	.25	.30	.34	.37	.45	.51	.60	40°	44°	47°
51405175	D3	51405203	DC35	.047"	.16	.22	.26	.30	.36	.41	.45	.55	.62	.74	45°	50°	52°
51405176	D4	51405203	DC35	.063"	.27	.37	.44	.50	.60	.70	.79	.93	1.1	1.3	68°	70°	71°
51405178	D5	51405203	DC35	.078"	.34	.48	.58	.66	.80	.92	1.0	1.2	1.4	1.7	67°	69°	71°
51405163	D2	51405215	DC56	.041"	—	—	.21	.25	.30	.35	.39	.47	.55	.67	—	14°	17°
51405175	D3	51405215	DC56	.047"	—	—	.29	.34	.41	.48	.53	.65	.75	.92	—	20°	23°
51405176	D4	51405215	DC56	.063"	—	.39	.48	.55	.67	.78	.87	1.06	1.23	1.51	20°	26°	29°
51405178	D5	51405215	DC56	.078"	.38	.54	.66	.76	.93	1.08	1.20	1.47	1.69	2.08	26°	32°	34°
51405179	D6	51405215	DC56	.094"	.55	.78	.95	1.10	1.35	1.55	1.74	2.13	2.46	3.02	34°	39°	41°
51405180	D7	51405215	DC56	.109"	.76	1.07	1.32	1.52	1.86	2.15	2.40	2.94	3.40	4.16	45°	52°	54°
51405181	D8	51405215	DC56	.125"	.96	1.36	1.67	1.93	2.36	2.73	3.05	3.73	4.32	5.28	52°	57°	59°
51405159	D10	51405215	DC56	.156"	1.35	1.91	2.34	2.70	3.31	3.82	4.26	5.22	6.03	7.39	62°	65°	67°

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

HOW TO ORDER:

To order orifice disc only, specify disc number and material. Note: For proper assembly and performance, disc and core must both be of like materials.

Examples:

DCER-2 – Ceramic
D2 – Hardened Stainless Steel
DE-2 – Stainless Steel
DVP-2 – Polymer

To order core only, specify core number and material.

Examples:

DC13-CER – Ceramic
DC13-HSS – Hardened Stainless Steel
DC13 – Brass
DC13-NY – Nylon
CP18999 – EPR Seal Gasket

STRAINER NOTE: For nozzles using orifice disc numbers 1, 1.5 and 2; or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.

STREAMJET® – SJ3 FERTILIZER NOZZLES

TYPICAL APPLICATIONS:

- Excellent for application of liquid fertilizer on bare ground or in standing crop.
- 3-stream pattern is ideal for directed application.

FEATURES:

- VisiFlo® color-coding system.
- Three solid streams of equal velocity and capacity.
- Removable metering orifice for easy cleaning.
- Ten sizes for a wide range of application rates.
- Equally spaced distribution at 20" (50 cm) height.
- Use with Quick TeeJet® cap 25598-*-NYR.
- All acetal construction for excellent chemical resistance.
- See page 11 for liquid density conversion factors.
- Recommended operating pressure: 20–60 PSI (1.5–4 bar).
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.

OPTIMUM SPRAY HEIGHT

20"	20"
30"	30"
40"	40"

HOW TO ORDER:

Specify tip number.
Example:
SJ3-03-VP – Polymer with VisiFlo color-coding

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 20" 3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
51405814	SJ3-015-VP	20	0.11	10.9	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.8	1.6
		30	0.13	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
		40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
		50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
		60	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
51405815	SJ3-02-VP	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
		30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
		40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
		50	0.21	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1
		60	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
51405816	SJ3-03-VP	20	0.24	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6
		30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
		40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
		50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
		60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
51405817	SJ3-04-VP	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
		30	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
		40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
		50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
		60	0.47	47	35	28	23	17.4	14.0	11.6	10.0	8.7	7.8	7.0
51405818	SJ3-05-VP	20	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
		30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
		40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
		50	0.55	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2
		60	0.59	58	44	35	29	22	17.5	14.6	12.5	11.0	9.7	8.8
51405819	SJ3-06-VP	20	0.42	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2
		30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
		40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
		50	0.66	65	49	39	33	25	19.6	16.3	14.0	12.3	10.9	9.8
		60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
51405820	SJ3-08-VP	20	0.56	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3
		30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
		40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
		50	0.88	87	65	52	44	33	26	22	18.7	16.3	14.5	13.1
		60	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0
51405821	SJ3-10-VP	20	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
		30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
		40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
		50	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5
		60	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7
51405822	SJ3-15-VP	20	0.99	98	74	59	49	37	29	25	21	18.4	16.3	14.7
		30	1.24	123	92	74	61	46	37	31	26	23	20	18.4
		40	1.50	149	111	89	74	56	45	37	32	28	25	22
		50	1.68	166	125	100	83	62	50	42	36	31	28	25
		60	1.83	181	136	109	91	68	54	45	39	34	30	27
51405823	SJ3-20-VP	20	1.41	140	105	84	70	52	42	35	30	26	23	21
		30	1.75	173	130	104	87	65	52	43	37	32	29	26
		40	2.00	198	149	119	99	74	59	50	42	37	33	30
		50	2.28	226	169	135	113	85	68	56	48	42	38	34
		60	2.49	247	185	148	123	92	74	62	53	46	41	37

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information.

STREAMJET® – SJ7 FERTILIZER NOZZLES

TYPICAL APPLICATION:

- Excellent for application of liquid fertilizer on bare ground or in standing crop.
- 7-stream pattern is ideal for broadcast application.

FEATURES:

- Creates seven identical fluid streams of equal velocity and capacity.
- Excellent spray distribution quality.
- Removable metering orifice for easy cleaning.
- Offered in a variety of sizes for a wide range of application rates.
- VisiFlo® color-coding for easy capacity identification.
- All acetal construction for excellent chemical resistance.
- Recommended operating pressure: 20–60 PSI (1.5–4 bar).
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.

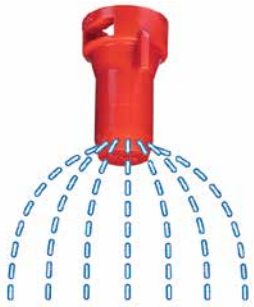
OPTIMUM SPRAY HEIGHT

20"	20"
30"	30"
40"	40"

HOW TO ORDER:

Specify nozzle number.
Example: SJ7-04-VP

50854-NYB
Extension Adapter



CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 20" 3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
51405824	SJ7-015-VP	20	0.10	9.9	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5
		30	0.12	11.9	8.9	7.1	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8
		40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
		50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
		60	0.18	17.8	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7
51405825	SJ7-02-VP	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
		30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
		40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
		50	0.23	23	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.8	3.4
		60	0.25	25	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7
51405826	SJ7-03-VP	20	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
		30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
		40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
		50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
		60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
51405827	SJ7-04-VP	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
		30	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
		40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
		50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
		60	0.46	46	34	27	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8
51405828	SJ7-05-VP	20	0.38	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6
		30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
		40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
		50	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
		60	0.58	57	43	34	29	22	17.2	14.4	12.3	10.8	9.6	8.6
51405829	SJ7-06-VP	20	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
		30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
		40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
		50	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
		60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
51405830	SJ7-08-VP	20	0.57	56	42	34	28	21	16.9	14.1	12.1	10.6	9.4	8.5
		30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
		40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
		50	0.87	86	65	52	43	32	26	22	18.5	16.1	14.4	12.9
		60	0.93	92	69	55	46	35	28	23	19.7	17.3	15.3	13.8
51405831	SJ7-10-VP	20	0.71	70	53	42	35	26	21	17.6	15.1	13.2	11.7	10.5
		30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
		40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
		50	1.09	108	81	65	54	40	32	27	23	20	18.0	16.2
		60	1.16	115	86	69	57	43	34	29	25	22	19.1	17.2
51405832	SJ7-15-VP	20	1.03	102	76	61	51	38	31	25	22	19.1	17.0	15.3
		30	1.29	128	96	77	64	48	38	32	27	24	21	19.2
		40	1.50	149	111	89	74	56	45	37	32	28	25	22
		50	1.64	162	122	97	81	61	49	41	35	30	27	24
		60	1.76	174	131	105	87	65	52	44	37	33	29	26

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information.

TEEJET® — FLOW REGULATORS

Flow Regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants. They are also used for above-ground streaming applications.

HOW TO ORDER:

Specify orifice plate number.
Example: CP4916-008

TYPICAL ASSEMBLY

CP1322
1/4TT Body

5053
Strainer

CP4916
Orifice Plate

CP4928
ADAPTER
1/8" NPT (F)
OUTLET

CP1325
Cap

Note: Always insert Orifice Plate with side marked with number facing the outlet.
MATERIAL: Stainless Steel

TIP STRAINER SIZE RECOMMENDATION

FOR ORIFICE SIZE	USE MESH SIZE
15 AND SMALLER	200
16–39	100
40–70	50
72 AND LARGER	—

To determine the orifice plates you need, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5{,}940}$$

$$\text{GPA} = \frac{5{,}940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

Tabulated flow rates are for spraying water into air at atmospheric pressure. If your application creates backpressure, or if spraying into a liquid, measure and calibrate to ensure proper application rates. For spraying solutions other than water, see page 11 for conversion factors.

W = Nozzle spacing (in inches) for broadcast spraying.
= Spray width (in inches) for single nozzle, band spraying or boomless spraying.
= Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	GPM						
		5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
51404555	CP4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010
51404556	CP4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016
51404561	CP4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023
51404567	CP4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031
51404571	CP4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036
51404574	CP4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040
51404581	CP4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051
51404585	CP4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064
51404588	CP4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075
51404590	CP4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091
51404591	CP4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097
51404593	CP4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105
51404594	CP4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111
51404595	CP4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120
51404596	CP4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132
51404597	CP4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140
51404598	CP4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151
51404599	CP4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165
51404600	CP4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180
51404601	CP4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192
51404603	CP4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211
51404604	CP4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234
51404605	CP4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250
51404606	CP4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258
51404607	CP4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283
51404608	CP4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306
51404609	CP4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).
See pages 7–27 for useful formulas and other information.

TEEJET® — FLOW REGULATORS (CONTINUED)

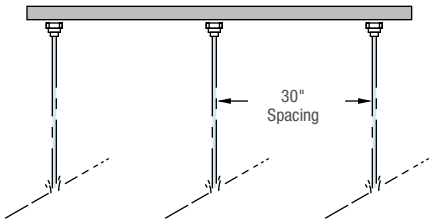
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	GPM						
		5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
51404610	CP4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337
51404611	CP4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350
51404612	CP4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361
51404613	CP4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403
51404614	CP4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410
51404615	CP4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441
51404616	CP4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462
51404617	CP4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490
51404618	CP4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530
51404619	CP4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571
51404620	CP4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601
51404621	CP4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639
51404622	CP4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680
51404623	CP4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702
51404624	CP4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750
51404625	CP4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784
51404626	CP4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808
51404627	CP4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850
51404628	CP4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943
51404629	CP4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971
51404630	CP4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01
51404631	CP4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10
51404632	CP4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15
51404633	CP4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20
51404635	CP4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28
51404636	CP4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34
51404637	CP4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	GPM						
		5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
51404639	CP4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53
51404557	CP4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60
51404558	CP4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79
51404559	CP4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90
51404560	CP4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09
51404562	CP4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18
51404563	CP4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40
51404564	CP4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50
51404565	CP4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68
51404566	CP4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91
51404568	CP4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10
51404569	CP4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21
51404570	CP4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30
51404572	CP4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60
51404573	CP4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80
51404575	CP4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00
51404576	CP4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20
51404577	CP4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51
51404579	CP4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70
51404580	CP4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90
51404582	CP4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10
51404583	CP4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40
51404584	CP4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00
51404586	CP4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50
51404587	CP4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30
51404589	CP4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50
51404592	CP4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80

STREAMJET® – SOLID STREAM SPRAY NOZZLES

STAINLESS STEEL FOR BANDING FERTILIZERS

- Permits banding fluids at high rig speeds.
- Large orifices with no internal obstructions permit non-clogging suspension applications.
- Lower drift potential.
- See page 11 for liquid density conversion factors.
- For TP tips use Quick TeeJet cap and gasket 25608-1-NYR.



HOW TO ORDER:

Specify nozzle number and material.
Example: H1/4U-SS0010 Stainless Steel

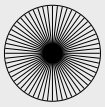
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 7–27 for useful formulas and other information.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 30" 4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
51405937	TP0001-SS	10	0.050	2.5	1.7	1.2	0.99	0.83	0.71	0.62	0.55	0.50
		20	0.071	3.5	2.3	1.8	1.4	1.2	1.0	0.88	0.78	0.70
		30	0.087	4.3	2.9	2.2	1.7	1.4	1.2	1.1	0.96	0.86
		40	0.10	5.0	3.3	2.5	2.0	1.7	1.4	1.2	1.1	0.99
51405936	TP00015-SS	10	0.075	3.7	2.5	1.9	1.5	1.2	1.1	0.93	0.83	0.74
		20	0.11	5.4	3.6	2.7	2.2	1.8	1.6	1.4	1.2	1.1
		30	0.13	6.4	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3
		40	0.15	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5
51405281 51405938	H1/4U-SS0002 TP0002-SS	10	0.10	5.0	3.3	2.5	2.0	1.7	1.4	1.2	1.1	0.99
		20	0.14	6.9	4.6	3.5	2.8	2.3	2.0	1.7	1.5	1.4
		30	0.17	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7
		40	0.20	9.9	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0
51405282 51405939	H1/4U-SS0003 TP0003-SS	10	0.15	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5
		20	0.21	10.4	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
		30	0.26	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6
		40	0.30	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
51405283 51405940	H1/4U-SS0004 TP0004-SS	10	0.20	9.9	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0
		20	0.28	13.9	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8
		30	0.35	17.3	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5
		40	0.40	19.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0
51405285 51405942	H1/4U-SS0006 TP0006-SS	10	0.30	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
		20	0.42	21	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
		30	0.52	26	17.2	12.9	10.3	8.6	7.4	6.4	5.7	5.1
		40	0.60	30	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
51405286 51405943	H1/4U-SS0008 TP0008-SS	10	0.40	19.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0
		20	0.57	28	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6
		30	0.69	34	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8
		40	0.80	40	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9
51405287 51405944	H1/4U-SS0010 TP0010-SS	10	0.50	25	16.5	12.4	9.9	8.3	7.1	6.2	5.5	5.0
		20	0.71	35	23	17.6	14.1	11.7	10.0	8.8	7.8	7.0
		30	0.87	43	29	22	17.2	14.4	12.3	10.8	9.6	8.6
		40	1.00	50	33	25	19.8	16.5	14.1	12.4	11.0	9.9
51405289 51405946	H1/4U-SS0015 TP0015-SS	10	0.75	37	25	19	14.9	12.4	10.6	9.3	8.3	7.4
		20	1.06	52	35	26	21	17.5	15.0	13.1	11.7	10.5
		30	1.30	64	43	32	26	21	18.4	16.1	14.3	12.9
		40	1.50	74	50	37	30	25	21	18.6	16.5	14.9
51405290 51405947	H1/4U-SS0020 TP0020-SS	10	1.00	50	33	25	19.8	16.5	14.1	12.4	11.0	9.9
		20	1.41	70	47	35	28	23	19.9	17.4	15.5	14.0
		30	1.73	86	57	43	34	29	24	21	19.0	17.1
		40	2.00	99	66	50	40	33	28	25	22	19.8
51405292 51405948	H1/4U-SS0030 TP0030-SS	10	1.50	74	50	37	30	25	21	18.6	16.5	14.9
		20	2.12	105	70	52	42	35	30	26	23	21
		30	2.60	129	86	64	51	43	37	32	29	26
		40	3.00	149	99	74	59	50	42	37	33	30
51405293 51405949	H1/4U-SS0040 TP0040-SS	10	2.00	99	66	50	40	33	28	25	22	20
		20	2.83	140	93	70	56	47	40	35	31	28
		30	3.46	171	114	86	69	57	49	43	38	34
		40	4.00	198	132	99	79	66	57	50	44	40
51405294	H1/4U-SS0050	10	2.50	124	83	62	50	41	35	31	28	25
		20	3.54	175	117	88	70	58	50	44	39	35
		30	4.33	214	143	107	86	71	61	54	48	43
		40	5.00	248	165	124	99	83	71	62	55	50
51405295	H1/4U-SS0060	10	3.00	149	99	74	59	50	42	37	33	30
		20	4.24	210	140	105	84	70	60	52	47	42
		30	5.20	257	172	129	103	86	74	64	57	51
		40	6.00	297	198	149	119	99	85	74	66	59

TEEJET® – TANK RINSING NOZZLES

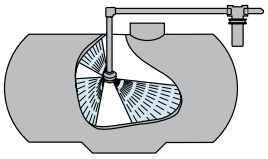
55270

- Rotating head driven by the flow of the rinsing liquid through multiple round spray orifices.
- Solid stream sprays are precisely positioned to provide effective internal wetting and cleaning of tank surface
- Removable retainer and rotating body allows for disassembly and cleaning.
- Provides 360° coverage of inside surface of tank for tank diameters up to 10 feet (3.0 m).
- Self-lubricating and self-flushing design.

CNH INDUSTRIAL NOZZLE NO.	TEEJET NOZZLE NO.	CAPACITY – GPM					TYPE OF COVERAGE	SPRAY ANGLE
		10 PSI	20 PSI	30 PSI	40 PSI	50 PSI		
51403058	55270-1/2-11-POM	5.9	7.9	9.4	11.0	12.4		360°
51403059	55270-3/4-18-POM	9.0	12.7	15.6	18.0	20.0		

- Materials: Body – black POM (acetal); Fasteners – stainless steel.
- Recommended operating pressure 10–50 PSI (0.7–3.5 bar).
- Mounting connection – ½" or ¾" NPT or BSPT (F).

Typical Application



D41892

- The rotary tank rinsing nozzle is used for rinsing the insides of chemical containers and spray tanks up to 6.5' (2.0 m) in diameter.
- Available with ½" NPT or BSPT (F) connections.

CNH INDUSTRIAL NOZZLE NO.	TEEJET NOZZLE NO.	CAPACITY – GPM				
		20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
51405177	D41892-1/2-POM-6	4.0	4.9	5.7	6.4	7.0

- Significant lower rotating speed at approximately 15% of typical speed, results in faster and more thorough cleaning of tank surface.
- Self-cleaning sliding bearing.
- Body and inserts are made of POM (Acetal).
- Nozzle fits in 1½" (37 mm) opening.
- Recommended operating pressure 30–60 PSI (2–4 bar) with a maximum pressure 115 PSI (8 bar).

TEEJET® – CONTAINER RINSING NOZZLES

VSM

- Used for inside rinsing of chemical containers.
- 40 orifices combine to produce a 240° spray angle.
- All Nylon construction.
- Available with ½" or ¾" NPT or BSPT (F) connection.
- Recommended operating pressure 30–60 PSI (2–4 bar).

CNH INDUSTRIAL NOZZLE NO.	TEEJET NOZZLE NO.	INLET PIPE CONNECTION	ORIFICE DIAMETER	CAPACITY – GPM						SPRAY ANGLE
				20 PSI	30 PSI	40 PSI	50 PSI	60 PSI	80 PSI	
51406134	VSM-1/2-28	1/2" (F)	.031"	3.9	4.8	5.5	6.7	7.8	8.7	240°
51406135	VSM-1/2-44		.039"	6.1	7.5	8.6	10.6	12.2	13.7	
51406136 51406139	VSM-1/2-90 VSM-3/4-90	1/2" OR 3/4" (F)	.059"	12.5	15.3	17.7	22	25	28	
51406132 51406137	VSM-1/2-140 VSM-3/4-140		.077"	19.4	24	27	34	39	43	
51406133 51406138	VSM-1/2-190 VSM-3/4-190		.091"	26	32	37	46	53	59	

HOW TO ORDER:

VSM	–	¾	–	140
Nozzle Type		Size		Capacity

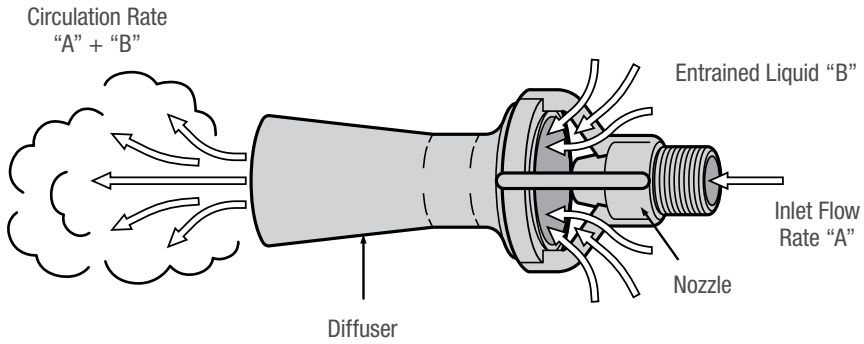
TEEJET® – EDUCTOR NOZZLES

46550, Y33180 & Y9270 FEATURES:

- Allows small pumps to circulate large volumes of liquid.
- Manufactured of glass-filled polypropylene for excellent corrosion and chemical resistance.
- Large flow opening minimizes plugging.
- Available in 1/4", 3/8", 3/4" or 1½" (M) pipe thread inlet connection.

HOW TO ORDER:

Specify nozzle number.
Example: Y33180-PP



APPROXIMATE FLOW RATE PERFORMANCE	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	INLET LIQUID PRESSURE							
			10 PSI	15 PSI	20 PSI	25 PSI	30 PSI	35 PSI	40 PSI	50 PSI
INLET FLOW RATE "A" (GPM)	51406234	Y33180-PP	9	11	12.7	14	16	17	18	20
	51406235	Y9270-PP	13.5	17	19	21	23	25	27	30
ENTRAINED LIQUID "B" (GPM)	51406234	Y33180-PP	36	44	50.8	56	64	68	72	80
	51406235	Y9270-PP	54	68	76	84	92	100	108	120
CIRCULATION RATE "A"+"B" (GPM)	51406234	Y33180-PP	45	55	63.5	70	80	85	90	100
	51406235	Y9270-PP	67.5	85	95	105	115	125	135	150

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PIPE THREAD INLET CONNECTION	ORIFICE DIAMETER	LENGTH	DIAMETER
51406234	Y33180-PP	3/8" (M)	5/16"	4-1/16"	2-1/16"
51406235	Y9270-PP	3/4" (M)	3/8"	6-3/8"	2-29/32"

QUICK TEEJET® – MULTIPLE NOZZLE BODY ASSEMBLIES FOR DRY BOOMS

QJ360C NOZZLE BODY SERIES FOR DRY BOOMS

- Available with either 3, 4 or 5 spray positions for easy change of spray tips or quick boom flushing.
- Positive shutoff between each spray position.
- Automatic spray alignment using flat fan spray tips.
- Maximum operating pressure of 300 PSI (20 bar).
- Available in ½", ¾" or 1" single or double hose shanks.
- Includes ChemSaver® diaphragm check valve for drip-free shutoff. Standard diaphragm opens at 10 PSI (0.7 bar). See page 84 for additional 21950 ChemSaver spring capacities.
- Standard EPDM diaphragm with Viton® available as an option.
- Also available with optional Air ChemSaver or e-ChemSaver® shutoff valves, see page 85 for additional information.
- Durable design mounts body high on boom structure for maximum protection.

- Flow Rate: 2.25 GPM (8.5 l/min) with 5 PSI (0.34 bar) pressure drop, 3.18 GPM (12.0 l/min) with 10 PSI (0.69 bar) pressure drop.
- Molded hex socket in upper clamp for attaching to flat surfaces. Accepts 5/16" or M8 bolt.
- Hinged upper clamp reduces assembly time and fits inside common boom channels.

QJ363C

SINGLE		DOUBLE		NUMBER OF SPRAY OUTLETS	TO FIT HOSE I.D.
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51405688	QJ363C-500-1-NYB	51405691	QJ363C-500-2-NYB	3	1/2"
51405693	QJ363C-750-1-NYB	51405696	QJ363C-750-2-NYB	3	3/4"
51405678	QJ363C-1000-1-NYB	51405680	QJ363C-1000-2-NYB	3	1"

QJ363C

QJ364C

SINGLE		DOUBLE		NUMBER OF SPRAY OUTLETS	TO FIT HOSE I.D.
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51405718	QJ364C-500-1-NYB	51405719	QJ364C-500-2-NYB	4	1/2"
51405720	QJ364C-750-1-NYB	51405722	QJ364C-750-2-NYB	4	3/4"
51405709	QJ364C-1000-1-NYB	51405711	QJ364C-1000-2-NYB	4	1"

QJ364C

QJ365C

SINGLE		DOUBLE		NUMBER OF SPRAY OUTLETS	TO FIT HOSE I.D.
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51405741	QJ365C-500-1-NYB	51405743	QJ365C-500-2-NYB	5	1/2"
51405745	QJ365C-750-1-NYB	51405747	QJ365C-750-2-NYB	5	3/4"
51405732	QJ365C-1000-1-NYB	51405734	QJ365C-1000-2-NYB	5	1"

QJ365C

QUICK TEEJET® – MULTIPLE NOZZLE BODY ASSEMBLIES WITH FERTILIZER OUTLETS FOR DRY BOOMS

FEATURES:

- Single fertilizer nozzle outlet with shutoff cap and either 3, 4, or 5 spray positions for easy change of spray tips or quick boom flushing.
- Positive shutoff between each position.
- Automatic self-alignment with flat fan spray patterns.
- Flow rate: pressure drop of 5 PSI (0.34 bar) for 2.25 GPM (8.5 l/min) through turret and 3.4 GPM (12.9 l/min) through fertilizer outlet.
- Flow rate: pressure drop of 10 PSI (0.69 bar) for 3.18 GPM (12.0 l/min) through turret and 4.8 GPM (18.2 l/min) through fertilizer outlet.
- Maximum pressure of 300 PSI (20 bar).
- Available in 1" single or double hose shanks.
- Includes ChemSaver diaphragm check valve for drip-free shutoff. Standard diaphragm opens at 10 PSI (0.7 bar). See page 84 for additional 21950 ChemSaver spring capacities.
- Standard O-rings and diaphragm made of EPDM and Buna with Viton optional.
- Molded hex socket in the upper clamp for attaching to flat surfaces (does not use dry boom clamp). Accepts 5/16" or M8 bolt.
- Also available with optional Air ChemSaver or e-ChemSaver® shutoff valves, see page 85 for additional information.
- Hinged upper clamp reduces assembly time and fits inside common boom channels.

QJ363F

QJ364F

QJ365F

SINGLE		DOUBLE		NUMBER OF SPRAY OUTLETS	TO FIT HOSE I.D.
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51405700	QJ363F-1000-1-NYB	51405702	QJ363F-1000-2-NYB	3 + 1	1"
51405726	QJ364F-1000-1-NYB	51405727	QJ364F-1000-2-NYB	4 + 1	
51405751	QJ365F-1000-1-NYB	51405752	QJ365F-1000-2-NYB	5 + 1	

QUICK TEEJET® – SINGLE NOZZLE BODIES FOR DRY BOOMS

QJ100 SERIES QUICK TEEJET NOZZLE BODY

- Hose barb sizes for 3/8", ½" or ¾" I.D. hose.
- Maximum operating pressure of 125 PSI (9 bar).

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402088	18635-111-406-NYB	3/8"
51402091	18638-111-540-NYB	1/2"
51402100	18719-111-785-NYB	3/4"

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402089	18636-112-406-NYB	3/8"
51402092	18639-112-540-NYB	1/2"
51402101	18720-112-785-NYB	3/4"

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402090	18637-113-406-NYB	3/8"
51402093	18640-113-540-NYB	1/2"
51402102	18721-113-785-NYB	3/4"

QJ39685 SERIES QUICK TEEJET NOZZLE BODY

FEATURES:

- Use with Quick TeeJet caps.
- Hose shanks available in double or single (left or right) for ½" hose I.D.
- TeeJet ChemSaver drip-free shutoff.

Single Left
QJ39685-1L-500-NYB

QJ200 SERIES DIAPHRAGM CHECK VALVE QUICK TEEJET NOZZLE ASSEMBLIES

- Available with single, double or triple hose shanks for 3/8", ½" and ¾" I.D. hose.
- Drip-free shutoff with TeeJet ChemSaver®. Opens at 10 PSI (0.7 bar). Standard diaphragm is EPDM with Viton® optional.
- Maximum operating pressure of 125 PSI (9 bar).
- Flow rate: 2.25 GPM (8.5 l/min) at 5 PSI (0.34 bar) pressure drop, 3.18 GPM (12.0 l/min) at 10 PSI (0.69 bar) pressure drop.

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402107	19349-211-406-NYB	3/8"
51402108	19349-211-540-NYB	1/2"
51402109	19349-211-785-NYB	3/4"

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402110	19350-212-406-NYB	3/8"
51402111	19350-212-540-NYB	1/2"
51402112	19350-212-785-NYB	3/4"

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402113	19351-213-406-NYB	3/8"
51402114	19351-213-540-NYB	1/2"
51402115	19351-213-785-NYB	3/4"

- Made of corrosion-resistant materials.
- Maximum operating pressure of 300 PSI (20 bar).
- QJ39684 uses Nylon nut instead of brass nut.

Double
QJ39685-2-500-NYB

QJ300 SERIES DIAPHRAGM CHECK VALVE QUICK TEEJET NOZZLE ASSEMBLIES

- Low-profile design allows maximum protection against damage.
- Available with single and double hose shanks for 3/8", ½" and ¾" I.D. hose.
- Drip-free shutoff with TeeJet ChemSaver. Opens at 10 PSI (0.7 bar). Standard diaphragm is EPDM with Viton optional.
- Maximum operating pressure of 300 PSI (20 bar).
- Flow rate: 3.5 GPM (13.2 l/min) at 5 PSI (0.34 bar) pressure drop, 4.9 GPM (18.5 l/min) at 10 PSI (0.69 bar) pressure drop.

QJ300 Series is also available in polypropylene. Maximum operating pressure is 150 PSI (10 bar).

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402147	22251-311-375-NYB	3/8"
51402150	22251-311-500-NYB	1/2"
51402152	22251-311-750-NYB	3/4"

CNH INDUSTRIAL PART NO. SINGLE	TEEJET PART NO. SINGLE	TO FIT HOSE I.D.
51402155	22252-312-375-NYB	3/8"
51402157	22252-312-500-NYB	1/2"
51402159	22252-312-750-NYB	3/4"

Note: See page 74 for vari-spacing clamps.
See page 80 for Quick TeeJet caps.

Note: Support is normally supplied by the customer. TeeJet vari-spacing clamps AA111-* can be used. See page 91 for order information.

Single Right
QJ39685-1R-500-NYB

TEEJET® – VARI-SPACING CLAMPS FOR USE ON DRY BOOM QUICK TEEJET BODIES

CNH INDUSTRIAL PART NO. (PLATED STEEL)	TEEJET PART NO. (PLATED STEEL)	TO FIT
51405643	QJ111-1/2	1/2" Pipe (13/16" & 7/8" O.D. Tubings)
51405645	QJ111-3/4	3/4" Pipe (1" & 1-1/16" O.D. Tubings)
51405642	QJ111-1	1" Pipe (1-1/8", 1-1/4" & 1-3/8" O.D. Tubings)
51405644	QJ111-1-1/4	1-1/4" Pipe (1-9/16" & 1-11/16" O.D. Tubings)
51405646	QJ111HP-3/4	3/4" Pipe (1" & 1-1/16" O.D. Tubings)

CNH INDUSTRIAL PART NO. (PLATED STEEL)	TEEJET PART NO. (PLATED STEEL)	CNH INDUSTRIAL PART NO. (STAINLESS STEEL)	TEEJET PART NO. (STAINLESS STEEL)	TO FIT
51405653	QJ111SQ-3/4	51405654	QJ111SQ-3/4-304SS	3/4" SQUARE TUBING
51405647	QJ111SQ-1	51405652	QJ111SQ-1-304SS	1" SQUARE TUBING
51405650	QJ111SQ-1-1/4	51405651	QJ111SQ-1-1/4-304SS	1-1/4" SQUARE TUBING
51405648	QJ111SQ-1-1/2	51405649	QJ111SQ-1-1/2-304SS	1-1/2" SQUARE TUBING

QJ111HP

QJ111

QJ111SQ

QUICK TEEJET® – MULTIPLE NOZZLE BODY ASSEMBLIES

TRIPLE NOZZLE BODY

- Designed to greatly simplify changing spray tips in the field.
- Provides three spray positions for easy change of spray tips or quick boom flushing.
- Positive shutoff between each spray position.
- Includes ChemSaver® diaphragm check valve for drip-free shutoff. Opens at 10 PSI (0.7 bar).
- Standard EPDM diaphragm with Viton® available as an option.
- Can be used with all Quick TeeJet caps.
- Nylon body.
- Maximum operating pressure of 125 PSI (9 bar).
- Available in ½" and ¾" single, double or triple hose shanks.
- Flow Rate: 1.6 GPM (6.0 l/min) at 5 PSI (0.34 bar) pressure drop, 2.26 GPM (8.6 l/min) at 10 PSI (0.69 bar) pressure drop.

24230A

SINGLE		DOUBLE		TRIPLE		TO FIT HOSE
CNH INDUSTRIAL PART NO.	TEE JET PART NO.	CNH INDUSTRIAL PART NO.	TEE JET PART NO.	CNH INDUSTRIAL PART NO.	TEE JET PART NO.	
51402226	24230A-1-540-NYB	51402229	24230A-2-540-NYB	51402231	24230A-3-540-NYB	1/2"
51402227	24230A-1-785-NYB	51402230	24230A-2-785-NYB	51402232	24230A-3-785-NYB	3/4"

QUICK TEEJET® – MULTIPLE NOZZLE BODIES FOR WET BOOMS

QC360 QUICK TEEJET® NOZZLE BODY WITH CAM LEVER COUPLING ADAPTER

- Same features as QJ360C multiple nozzle bodies.
- Body designed to fit into standard cam lever couplings allowing for quick change to smaller capacity spray tips.
- Flow Rate: 2.25 GPM (8.5 l/min) at 5 PSI (0.34 bar) pressure drop, 3.18 GPM (12.0 l/min) at 10 PSI (0.69 bar) pressure drop.
- 1.26" (32 mm) diameter tip body fits ¾" cam lever coupling.
- Locating nib keeps body properly oriented in fitting.

CNH INDUSTRIAL PART NO.	TEE JET PART NO.	NUMBER OF SPRAY OUTLETS
51405615	QC363-NYB	3
51405617	QC364-NYB	4
51405618	QC365-NYB	5

QC364

QC363

QC365

QUICK TEEJET® – MULTIPLE NOZZLE BODIES FOR WET BOOMS

QJ360C NOZZLE BODY SERIES FOR WET BOOMS

- Available with either 3, 4 or 5 spray positions for easy change of spray tips or quick boom flushing.
- Positive shutoff between each position.
- Automatic spray alignment using flat fan spray tips.
- Maximum operating pressure of 300 PSI (20 bar).
- Available in 25 mm, ½", ¾" or 1" pipe connections.
- Includes ChemSaver® diaphragm check valve for drip-free shutoff. Standard diaphragm opens at 10 PSI (0.7 bar). See page 84 for additional 21950 ChemSaver spring capacities.
- Standard EPDM diaphragm with Viton® available as an option.
- Also available with optional Air ChemSaver or e-ChemSaver® shutoff valves, see page 85 for additional information.
- Flow Rate: 2.25 GPM (8.5 l/min) at 5 PSI (0.34 bar) pressure drop, 3.18 GPM (12.0 l/min) with 10 PSI (0.69 bar) pressure drop.
- Mounts to a 3/8" (9.5 mm) hole drilled in pipe or tubing.
- Molded hex socket in upper clamp for attaching to flat surfaces. Accepts 5/16" or M8 bolt.
- Hinged upper clamp reduces assembly time and fits inside common boom channels.

QJ360E NOZZLE BODY SERIES FOR WET BOOMS

- Available to fit 20 mm O.D. tubing only.
- Flow Rate: 1.5 GPM (5.7 l/min) at 5 PSI (0.34 bar) pressure drop, 2.1 GPM (8.0 l/min) with 10 PSI (0.69 bar) pressure drop.
- Reduced internal cavity to increase ChemSaver shut-off speed.
- Notched inlet tube allows for more complete boom drainage and reduces sediment buildup.

QJ363C
QJ363E

QJ364C
QJ364E

QJ365C
QJ365E

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	NUMBER OF SPRAY OUTLETS	TO CLAMP ON
51405698	QJ363E-20MM-NYB	3	20 mm Tubing
51405684	QJ363C-25MM-NYB	3	25 mm Tubing
51405675	QJ363C-1/2-NYB	3	1/2" Pipe
51405686	QJ363C-3/4-NYB	3	3/4" Pipe
51405682	QJ363C-1-NYB	3	1" Pipe

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	NUMBER OF SPRAY OUTLETS	TO CLAMP ON
51405724	QJ364E-20MM-NYB	4	20 mm Tubing
51405715	QJ364C-25MM-NYB	4	25 mm Tubing
51405706	QJ364C-1/2-NYB	4	1/2" Pipe
51405716	QJ364C-3/4-NYB	4	3/4" Pipe
51405713	QJ364C-1-NYB	4	1" Pipe

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	NUMBER OF SPRAY OUTLETS	TO CLAMP ON
51405749	QJ365E-20MM-NYB	5	20 mm Tubing
51405738	QJ365C-25MM-NYB	5	25 mm Tubing
51405730	QJ365C-1/2-NYB	5	1/2" Pipe
51405739	QJ365C-3/4-NYB	5	3/4" Pipe
51405736	QJ365C-1-NYB	5	1" Pipe

QUICK TEEJET® – TRIPLE NOZZLE BODIES FOR WET BOOMS

24216A

24216A-NYB

- Can be mounted to 20 mm, ½", ¾" or 1" pipe or equivalent size tubing.
- Provides three spray positions for easy change of spray tips.
- Shutoff position provided between each spray position.
- Features ChemSaver® drip-free shutoff. Requires 10 PSI (0.7 bar) at the nozzle to open check valve.
- Standard diaphragm of EPDM with optional Viton® available.
- Maximum operating pressure of 150 PSI (10 bar).
- ½" and ¾" sizes include mounting hole in upper clamp subassembly for attachment to flat surfaces.
- Mounts to a 3/8" (9.5 mm) or 9/32" (7.0 mm) hole drilled in pipe or tubing.
- Flow rate: 1.6 GPM (6.1 l/min) at 5 PSI (0.34 bar) pressure drop, 2.26 GPM (8.6 l/min) at 10 PSI (0.69 bar) pressure drop.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO CLAMP ON	DRILL HOLE SIZE	UPPER CLAMP BOLT SIZE
51402221	24216A-20MM-NYB	20 mm Tubing	.375" (9.5 mm)	M8
51402222	24216A-20MMX7-NYB	20 mm Tubing	.280" (7.0 mm)	M8
51402218	24216A-1/2-NYB	1/2" Pipe	.375" (9.5 mm)	1/4"
51402219	24216A-1/2X7-NYB	1/2" Pipe	.280" (7.0 mm)	1/4"
51402217	24216A-1/2M-NYB	1/2" Pipe	.375" (9.5 mm)	M8
51402223	24216A-3/4-NYB	3/4" Pipe	.375" (9.5 mm)	1/4"
51402220	24216A-1-NYB	1" Pipe	.375" (9.5 mm)	N/A

QUICK TEEJET® – MULTIPLE NOZZLE BODIES FOR WET BOOMS

CP98488-VI HI-FLOW NOZZLE BODY ADAPTER INSERT

- Reduces 11/16" (17.5mm) wet boom inlet hole to 3/8" (9.5mm).
- Allows QJ380 nozzle body to be used in place of non-TeeJet high-flow wet boom nozzle bodies.

CP98488-VI

QUICK TEEJET – MULTIPLE NOZZLE BODIES WITH FERTILIZER OUTLETS FOR WET BOOMS

FEATURES:

- Single fertilizer nozzle outlet with shutoff cap and either 3, 4 or 5 spray positions for easy change of spray tips or quick boom flushing.
- Positive shutoff between each position.
- Automatic self-alignment with flat fan spray patterns.
- Flow rate: 2.25 GPM (8.5 l/min) with 5 PSI (0.34 bar) pressure drop through turret and 3.4 GPM (12.9 l/min) through fertilizer outlet.
- Flow rate: 3.18 GPM (12.0 l/min) with 10 PSI (0.69 bar) pressure drop through turret and 4.8 GPM (18.2 l/min) through fertilizer outlet.
- Maximum pressure of 300 PSI (20 bar).
- Available in 1" pipe connections and mounts with a 3/8" (9.5 mm) hole drilled in pipe or tubing.
- Includes ChemSaver® diaphragm check valve for drip-free shutoff. Standard diaphragm opens at 10 PSI (0.7 bar). See page 78 for additional 21950 ChemSaver spring capacities.
- Standard O-rings and diaphragm made of EPDM and Buna with Viton® optional.
- Also available with optional Air ChemSaver or e-ChemSaver® shutoff valves, see page 85 for additional information.
- Molded hex socket in the upper clamp for attaching to flat surfaces. Accepts 5/16" or M8 bolt.
- Hinged upper clamp reduces assembly time and fits inside common boom channels.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	NUMBER OF SPRAY OUTLETS	TO CLAMP ON
51405704	QJ363F-1-NYB	3 + 1	1" Pipe
51405728	QJ364F-1-NYB	4 + 1	1" Pipe
51405753	QJ365F-1-NYB	5 + 1	1" Pipe

QJ363F

QJ364F

QJ365F

QUICK TEEJET® – QJS SERIES STACKABLE NOZZLE BODIES

The QJS nozzle body utilizes a modular design that allows for highly customized solutions to best fit your sprayer and spraying application needs. Choose the boom size, inlet position, outlet arrangement and tip shutoff mechanism that works best.

- Multiple outlet, stackable nozzle body is ideal for mounted, trailed and self-propelled sprayers.
- Wet boom configuration offered with choice of bottom or side inlet in five different boom diameters (1/2", 3/4", 1", 20mm and 25mm); dry boom version also available in three sizes (1/2", 3/4", 1").
- Can be equipped with any combination of TeeJet ChemSaver® tip shutoffs including pneumatic, electric, manual or spring-loaded check valve.
- Choose from one to four outlets in a variety of configurations.
- Wetted parts are nylon and Viton.
- Maximum operating pressure of up to 300 PSI (20 bar) depending on the ChemSaver used.
- Flow rating of up to 2.75 gpm (10.4 l/min) at 5 PSI (0.34 bar) pressure drop and 4.0 gpm (15.1 l/min) at 10 PSI (0.7 bar) pressure drop depending on ChemSaver used.
- See page 85 for additional info on ChemSaver shutoffs.

QJS-B3-AAA

QJS-S2-EM

QJS-B3-MAA

QUICK TEEJET®

QJS–T4R–750–L–AAAA

OUTLET CONFIGURATION

S0	Side Inlet, Stacked Bodies, Split Eyelet Only
S1	Side Inlet, Stacked Bodies, 1 Outlet
S2	Side Inlet, Stacked Bodies, 2 Outlets
B0	Side Inlet, Stacked Bodies, Split Eyelet Only with Plug
B1	Bottom Inlet, Stacked Bodies, 1 Outlet
B2	Bottom Inlet, Stacked Bodies, 2 Outlets
B3	Bottom Inlet, Stacked Bodies, 3 Outlets
T3	Bottom Inlet, Parallel Bodies, 3 Outlets Parallel to Boom
T4	Bottom Inlet, Parallel Bodies, 4 Outlets Including Outlet Below Boom
T4R	Bottom Inlet, Parallel Bodies, 4 Outlets Parallel to Boom, Additional Outlet on Right Side
T4L	Bottom Inlet, Parallel Bodies, 4 Outlets Parallel to Boom, Additional Outlet on Left Side

Note: Outlet orientation is viewed with split eyelet pointing forward.

PIPE/HOSE SIZE

20 mm	20 mm Tubing
25 mm	25 mm Tubing
1/2	1/2" Pipe
3/4	3/4" Pipe
1	1" Pipe
500	1/2" Hose Barb
750	3/4" Hose Barb
1000	1" Hose Barb

DRY BOOM ORIENTATION

L	Single Hose Barb Left Orientation
R	Single Hose Barb Right Orientation
2	Double Hose Barb
Blank	Wet Boom

Note: Hose barb orientation is viewed with split eyelet pointing forward.

SHUTOFF TYPE FOR EACH POSITION

C	Standard ChemSaver®
M	Manual ChemSaver
E	e-ChemSaver® (12 VDC)*
V	e-ChemSaver (24 VDC)*
A	Air ChemSaver
Blank	No ChemSaver

Note: First position of e-ChemSaver is location nearest to the pipe.

*Preferred position of e-ChemSaver is location nearest to the pipe.

QJS-S2-EM

QJS-T4-AAAA

QUICK TEEJET® – SINGLE NOZZLE BODIES FOR WET BOOMS

QJ22187

QJ22187-NYB

- Can be mounted to ½", ¾" or 1" pipe or equivalent size tubing.
- ½" and ¾" sizes include a mounting hole in clamp subassembly for mounting to flat surfaces.
- Allows side mounting to flat surface for protection of nozzle body.
- Features ChemSaver drip-free shutoff. Requires 10 PSI (0.7 bar) at the nozzle to open check valve.
- Standard diaphragm of EPDM with optional Viton available.
- Mounts to a 3/8" (9.5 mm) hole drilled in pipe or tubing.
- Maximum operating pressure of 300 PSI (20 bar).
- Flow rate: 2.5 GPM (9.5 l/min) at 5 PSI (0.34 bar) pressure drop, 3.54 GPM (13.4 l/min) at 10 PSI (0.69 bar) pressure drop.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO CLAMP ON	DRILL HOLE SIZE	UPPER CLAMP BOLT SIZE
51405671	QJ22187-1/2-NYB	1/2" Pipe	.375" (9.5 mm)	1/4"
51405673	QJ22187-3/4-NYB	3/4" Pipe	.375" (9.5 mm)	1/4"
51405672	QJ22187-1-NYB	1" Pipe	.375" (9.5 mm)	N/A

QJ17560A

QJ17560A-NYB

- Can be mounted to 20 mm, 25 mm, ½", ¾" or 1" pipe or equivalent size tubing.
- Features ChemSaver drip-free shutoff. Requires 10 PSI (0.7 bar) at the nozzle to open check valve.
- Standard diaphragm of EPDM with optional Viton available.
- Mounts to a 3/8" (9.5 mm) or 9/32" (7.0 mm) hole drilled in pipe or tubing.
- All sizes include a mounting hole in upper clamp subassembly for mounting to flat surfaces.
- Maximum operating pressure of 300 PSI (20 bar).
- Flow rate: 2.25 GPM (8.5 l/min) at 5 PSI (0.34 bar) pressure drop, 3.18 GPM (12.0 l/min) at 10 PSI (0.69 bar) pressure drop.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO CLAMP ON	DRILL HOLE SIZE	UPPER CLAMP BOLT SIZE
51405661	QJ17560A-20MM-NYB	20 mm Tubing	.375" (9.5 mm)	5/16" or M8
51405663	QJ17560A-20MMX7-NYB	20 mm Tubing	.280" (7.0 mm)	5/16" or M8
51405665	QJ17560A-25MM-NYB	25 mm Tubing	.375" (9.5 mm)	5/16" or M8
51405655	QJ17560A-1/2-NYB	1/2" Pipe	.375" (9.5 mm)	5/16" or M8
51405657	QJ17560A-1/2X7-NYB	1/2" Pipe	.280" (7.0 mm)	5/16" or M8
51405667	QJ17560A-3/4-NYB	3/4" Pipe	.375" (9.5 mm)	5/16" or M8
51405659	QJ17560A-1-NYB	1" Pipe	.375" (9.5 mm)	5/16" or M8

QJ7421

QJ7421-NYB

- Can be mounted to ½", ¾" or 1" pipe or equivalent size tubing.
- ½" and ¾" sizes include a mounting hole in upper clamp subassembly for mounting to flat surfaces.
- Mounts to a 3/8" (9.5 mm) hole drilled in pipe or tubing.
- Maximum operating pressure of 300 PSI (20 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO CLAMP ON	DRILL HOLE SIZE	UPPER CLAMP BOLT SIZE
51405772	QJ7421-1/2-NYB	1/2" Pipe	.375" (9.5 mm)	1/4"
51405774	QJ7421-3/4-NYB	3/4" Pipe	.375" (9.5 mm)	1/4"
51405773	QJ7421-1-NYB	1" Pipe	.375" (9.5 mm)	N/A

QUICK TEEJET® – PUSH-TO-CONNECT CAPS AND BODIES

- Fittings feature push to connect couplers for fast, easy, leak-free assembly.
- Offered in body, straight cap, 90º fixed cap and 90º swivel cap.
- Accepts plastic and soft metal tubing.
- Commonly used for liquid fertilizer application systems on planters and toolbars.
- Maximum operating pressure of 100 PSI (7 bar).
- Caps include CP18999-EPR gasket.

HOW TO ORDER:

Specify model number.
Example: QJ98595-1/4-*

90º CAPS

QJ98598

QJ98599

BODY

QJ98590
QJ114400

QJ98592

STRAIGHT CAP

QJ98588

QJ98586

SWIVEL CAP

QJ114403

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TUBING SIZE (OD)	DESCRIPTION
51405808 51405809	QJ98595-1/4-10 QJ98595-1/4-2	1/4"	Straight Cap & Body
51405806 51405807	QJ98594-3/8-10 QJ98594-3/8-2	3/8"	Straight Cap & Body
51405804 51405805	QJ98592-1/4-10 QJ98592-1/4-2	1/4"	Body
51405802 51405803	QJ98590-3/8-10 QJ98590-3/8-2	3/8"	Body
51405801	QJ98588-1/4	1/4"	Straight Cap
51405800	QJ98586-3/8	3/8"	Straight Cap

*Specify diaphragm check valve opening pressure.

BODY & CAP ASSEMBLY

QJ98595

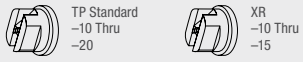
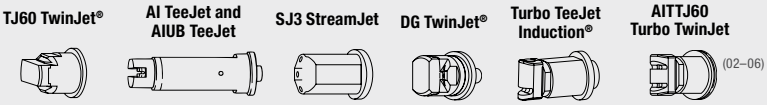
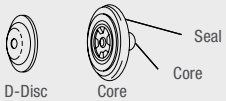
QJ98594

QUICK TEEJET® — CAPS

ORDERING INFORMATION

COLOR CODE

1	2	3	4	5	6	7	8	9	10
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray††	Violet

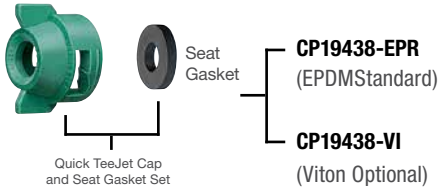
QUICK TEEJET CAPS	CAP ONLY		CAP & SEAT GASKET SET		FOR USE WITH FLAT SPRAY TIPS 300 PSI (20 bar) MAXIMUM PRESSURE
	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	
	51404228 51404229 51404230 51404231 51404232 51404233 51404234 51404235 51404227	CP25611-1-NY CP25611-2-NY CP25611-3-NY CP25611-4-NY CP25611-5-NY CP25611-6-NY CP25611-7-NY CP25611-8-NY CP25611-10-NY	51402278 51402279 51402280 51402281 51402282 51402283 51402284 51402285 51402277	25612-1-NYR 25612-2-NYR 25612-3-NYR 25612-4-NYR 25612-5-NYR 25612-6-NYR 25612-7-NYR 25612-8-NYR 25612-10-NYR	**TeeJet® Flat Spray Tips** (Smaller Capacities) 
	51404236	CP25611-9-PP††		25612-9-PP††	
	51404219 51404220 51404221 51404222 51404223 51404224 51404225 51404226	CP25609-1-NY CP25609-2-NY CP25609-3-NY CP25609-4-NY CP25609-5-NY CP25609-6-NY CP25609-7-NY CP25609-8-NY	51402269 51402270 51402271 51402272 51402273 51402274 51402275 51402276	25610-1-NYR 25610-2-NYR 25610-3-NYR 25610-4-NYR 25610-5-NYR 25610-6-NYR 25610-7-NYR 25610-8-NYR	**TeeJet Flat Spray Tips** (Larger Capacities) 
	51404193 51404194 51404195 51404196 51404197 51404198 51404199 51404200 51404192	CP25597-1-NY CP25597-2-NY CP25597-3-NY CP25597-4-NY CP25597-5-NY CP25597-6-NY CP25597-7-NY CP25597-8-NY CP25597-10-NY	51402244 51402245 51402246 51402247 51402248 51402249 51402250 51402251 51402243	25598-1-NYR 25598-2-NYR 25598-3-NYR 25598-4-NYR 25598-5-NYR 25598-6-NYR 25598-7-NYR 25598-8-NYR 25598-10-NYR	
	51404184 51404185 51404186 51404187 51404188 51404189 51404190 51404191	CP25595-1-NY CP25595-2-NY CP25595-3-NY CP25595-4-NY CP25595-5-NY CP25595-6-NY CP25595-7-NY CP25595-8-NY	51402235 51402236 51402237 51402238 51402239 51402240 51402241 51402242	25596-1-NYR 25596-2-NYR 25596-3-NYR 25596-4-NYR 25596-5-NYR 25596-6-NYR 25596-7-NYR 25596-8-NYR	**TeeJet Flat Spray Tips** (Smaller Capacities) Tips can be positioned in choice of two spray plane directions—parallel or perpendicular to wings of Quick TeeJet cap.
	51404201 51404202 51404203 51404204 51404205 51404206 51404207 51404208	CP25599-1-NY CP25599-2-NY CP25599-3-NY CP25599-4-NY CP25599-5-NY CP25599-6-NY CP25599-7-NY CP25599-8-NY	51402252 51402253 51402254 51402255 51402256 51402257 51402258 51402259	25600-1-NYR 25600-2-NYR 25600-3-NYR 25600-4-NYR 25600-5-NYR 25600-6-NYR 25600-7-NYR 25600-8-NYR	**Turbo FloodJet®** VisiFlo® Spray Tip **TK-VS FloodJet®** VisiFlo Spray Tip Locating Nib **TK-VP FloodJet®** VisiFlo Spray Tip
	51404210 51404211 51404212 51404213 51404214 51404215 51404216 51404217	CP25607-1-NY CP25607-2-NY CP25607-3-NY CP25607-4-NY CP25607-5-NY CP25607-6-NY CP25607-7-NY CP25607-8-NY	51402260 51402261 51402262 51402263 51402264 51402265 51402266 51402267	25608-1-NYR 25608-2-NYR 25608-3-NYR 25608-4-NYR 25608-5-NYR 25608-6-NYR 25608-8-NYR 25608-9-NYR	**TK FloodJet®** **FL FullJet®** **TX/TXA ConeJet®** **TG Full Cone** **Hose Shank** **AITXA ConeJet**
	51404218	CP25607-9-PP††	51402268	25608-9-PP††	
	51404210 51404211 51404212 51404213 51404214 51404215 51404216 51404217	CP25607-1-NY CP25607-2-NY CP25607-3-NY CP25607-4-NY CP25607-5-NY CP25607-6-NY CP25607-7-NY CP25607-8-NY	—		 **CP18999-EPR** (EPDM STANDARD) **CP18999-VI** (VITON® OPTIONAL) Used with DC-Core Inserts and CP4916 Flow Regulators (Insert Core into Seal)
	51404260	CP26277-1-NY†		26278-1-NYR†	**Ceramic Disc-Core**  **TXB ConeJet®** **AITXB ConeJet**

*Specify color code (see chart). Violet (10) only available in CP25611 and CP25597 Nylon caps.

†These Quick TeeJet caps available only in black.

††Polypropylene Quick TeeJet caps available only in gray and rated to 150 PSI (10 bar). Nylon caps not available in gray.

Quick TeeJet Cap



The Quick TeeJet caps are designed with grooves that fit locating lugs on the nozzle body. Caps are made of Nylon and are available for use with all TeeJet® spray tips. Maximum operating pressure of 300 PSI (20 bar).

HOW TO ORDER:

For cap and seat gasket set, specify set number and color code.

Example: 25612-3-NYR

For cap only, specify part number and color code.

Example: CP25597-4-NY

For seat gasket, specify part number.
Example: CP19438-EPR

QUICK TEEJET® – CAPS

ORDERING INFORMATION

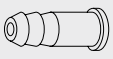
QUICK TEEJET CAPS	CAP & SEAT GASKET SET		FOR USE WITH FLAT SPRAY TIPS 300 PSI (20 bar) MAXIMUM PRESSURE
	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	
	51405769	QJ4676-45-1/4-NYR†	45° Quick TeeJet cap with 1/4" NPT female threaded outlet
	51405770	QJ4676-90-1/4-NYR†	90° Quick TeeJet cap with 1/4" NPT female threaded outlet
	51405768	QJ4676-1/8-NYR†	Permits use of standard 1/8" and 1/4" nozzles. Can be used for mounting pressure gauge at the nozzle. See Data Sheet 20055 for more information.
	51405767	QJ4676-1/4-NYR†	
	51402116	19843-NYR†	Provides shutoff at nozzle for quick spacing change or change in spray swath.

†These Quick TeeJet caps available only in black.

COLOR CODE

1	2	3	4	5	6	7	8	9
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray††

CAPS FOR HARDI® NOZZLE BODIES

QUICK TEEJET CAPS	QUICK TEEJET CAP ONLY		CAP & SEAT GASKET SET		FOR USE WITH FLAT SPRAY TIPS 150 PSI (10 bar) MAXIMUM PRESSURE
	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	
	51404026 51404027 51404028 51404029 51404030 51404031 51404032 51404033 51404025	CP21399-1-CE CP21399-2-CE CP21399-3-CE CP21399-4-CE CP21399-5-CE CP21399-6-CE CP21399-7-CE CP21399-8-CE CP21399-10-CE	51402130 51402131 51402132 51402133 51402134 51402135 51402136 51402137 51402129	21398H-1-CELR 21398H-2-CELR 21398H-3-CELR 21398H-4-CELR 21398H-5-CELR 21398H-6-CELR 21398H-7-CELR 21398H-8-CELR 21398H-10-CELR	TJ60 TwinJet®  AI TeeJet & AIUB TeeJet  SJ3 StreamJet  DG TwinJet®  Turbo TeeJet® Induction  AITTJ60 Turbo TwinJet  (02–06)
	51404114 51404115 51404116 51404117 51404118 51404119 51404120 51404121 51404113	CP23307-1-CE CP23307-2-CE CP23307-3-CE CP23307-4-CE CP23307-5-CE CP23307-6-CE CP23307-7-CE CP23307-8-CE CP23307-10-CE	51402195 51402196 51402197 51402198 51402199 51402200 51402201 51402202 51402194	23306H-1-CELR 23306H-2-CELR 23306H-3-CELR 23306H-4-CELR 23306H-5-CELR 23306H-6-CELR 23306H-7-CELR 23306H-8-CELR 23306H-10-CELR	TP Standard  (–0067 Thru –08) XR TeeJet®  (–01 Thru –08) AIXR TeeJet  DG TeeJet®  Turbo TeeJet  OC TeeJet  (–01 Thru –08) TTJ60 Turbo TwinJet 
	51404817 51404818 51404819 51404820 51404821 51404822 51404823 51404824 51404816	CP58350-1-CE CP58350-2-CE CP58350-3-CE CP58350-4-CE CP58350-5-CE CP58350-6-CE CP58350-7-CE CP58350-8-CE CP58350-10-CE	51403141 51403142 51403143 51403144 51403145 51403146 51403147 51403148 51403140	58348H-1-CELR 58348H-2-CELR 58348H-3-CELR 58348H-4-CELR 58348H-5-CELR 58348H-6-CELR 58348H-7-CELR 58348H-8-CELR 58348H-10-CELR	TK FloodJet®  FL FullJet®  TX ConeJet®  TG Full Cone  Hose Shank  AITXA ConeJet 

Note: When using TeeJet tip strainer, use CP26227 gasket in place of CP23308 gasket. See page 84 for 55240 Hardi to TeeJet adapter.

*Specify color code (see chart).

QUICK TEEJET® – ADAPTERS AND ACCESSORIES

QJT8360-NYB, QJP19011-NYB, QJ8360-NYB

QJ8360-NYB

QJT8360-NYB
QJP19011-NYB

- Retrofits to a Quick TeeJet system.
- Features ChemSaver® no-drip shutoff. Requires 10 PSI (0.7 bar) at the nozzle to open check valve.
- Standard diaphragm of EPDM with optional Viton® available upon request.
- Maximum operating pressure of 300 PSI (20 bar).
- Flow rate: 2.25 GPM (8.5 l/min) at 5 PSI (0.34 bar) pressure drop, 3.18 GPM (12.0 l/min) at 10 PSI (0.69 bar) pressure drop.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51405780	QJ8360-NYB	1/4" (F) Thread
51405811	QJT8360-NYB	11/16"–16 (M) TeeJet Thread

QJ8355-NYB

- Allows use of Quick TeeJet system with 1/8" and ¼" NPT female connections.
- Side mounting provides protection of the nozzle body.
- Features ChemSaver no-drip shutoff. Requires 10 PSI (0.7 bar) at the nozzle to open check valve.
- Standard diaphragm of EPDM with optional Viton available upon request.
- Maximum operating pressure of 300 PSI (20 bar).
- Flow rate: 2.25 GPM (8.5 l/min) at 5 PSI (0.34 bar) pressure drop, 3.18 GPM (12.0 l/min) at 10 PSI (0.69 bar) pressure drop.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51405776	QJ8355-1/8-NYB	1/8" (M)
51405775	QJ8355-1/4-NYB	1/4" (M)

QJ90-1-NYR

- Fits standard Quick TeeJet bodies.
- Nylon body construction for strength and durability, with EPDM gasket (Viton® optional).
- Outlet can be fitted with Quick TeeJet caps and TeeJet spray tips.
- One piece, 90° elbow is ideal for installation of TK-VS FloodJet® and TF-VS or TF-VP Turbo FloodJet nozzles on single or multiple outlet nozzle bodies. Proper orientation of spray tip enhances spray distribution quality.
- Adapter outlet accepts standard tip strainers.
- Maximum operating pressure of 300 PSI (20 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51405784	QJ90-1-NYR	QUICK TEEJET

QJ1/4T-NYB & QJT-NYB

- QJ1/4T-NYB allows use of Quick TeeJet system with ¼" NPT and BSPT male connections.
- QJT-NYB permits use of Quick TeeJet system with standard 11/16"–16 TeeJet thread.
- Maximum operating pressure of 300 PSI (20 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51405640	QJ1/4T-NYB	1/4" (M) Thread
51405813	QJT-NYB	11/16"–16 (M) Teejet Thread

QJ1/4TT-NYB

- Allows use of Quick TeeJet system with ¼" NPT and BSPT female connections.
- Maximum operating pressure of 300 PSI (20 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51405641	QJ1/4TT-NYB	1/4" (F) Thread

QJ90-2-NYR

- Fits standard Quick TeeJet bodies.
- Made of Nylon with CP19438-EPR gasket (included).
- Use with Quick TeeJet cap and gasket for automatic alignment when using flat fan spray tips.
- 90° included angle between outlets. When used with standard flat fan tips produces a twin type spray pattern for improved coverage and canopy penetration.
- Maximum operating pressure of 300 PSI (20 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51405785	QJ90-2-NYR	Quick TeeJet

22674-1/4-NYB

- Allows use of Quick TeeJet system with ¼" NPT or BSPT female connections.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51402185	22674-1/4-NYB	1/4" (F) Thread

55240-CELR

- Converts Hardi® snap-fit nozzle body connection to Quick TeeJet connection for easy installation of TeeJet tips. Especially useful for AIC, XRC and SJ7 tips.
- Acetal construction with EPDM gasket for durability and chemical resistance.
- Accepts standard tip strainers.
- Maximum operating pressure of 150 PSI (10 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51403055	55240-CELR	Hardi Snap-Fit

50854-NYB

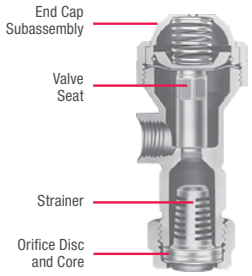
- For use with Quick TeeJet nozzle bodies to extend body length by 1 inch (25 mm).
- Used to eliminate interference of spray pattern with sprayer boom structure or shields, particularly with twin pattern or fertilizer spray tips.
- Nylon body construction with EPDM gasket.
- Maximum operating pressure of 300 PSI (20 bar).

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO FIT
51402989	50854-NYB	Quick TeeJet

TEEJET® – CHEMSAVER® DIAPHRAGM CHECK VALVES

In this type of nozzle body, the diaphragm check valve is an integral part of the nozzle assembly. This design eliminates the pressure drop associated with ball-type check valves. The spring-backed diaphragm ensures dependable closure. Originally developed for use in aerial spraying, nozzle bodies of this design are now widely used wherever drip-free shutoff is required. For maximum operating pressures of 125 PSI (9 bar).

TYPICAL ASSEMBLY



51403285 (CNH Industrial) **/ 8355-1/4-NYB** (TeeJet)
51403286 (CNH Industrial) **/ 8355-1/8-NYB** (TeeJet)

Made of Nylon with Nylon/polypropylene end cap assembly. Check valve opens at 10 PSI (0.7 bar) pressure. Choice of 1/8" or ¼" NPT (F) inlet connections. Flow rate for 1/8" is 3 GPM at 5 PSI pressure drop (11.4 l/min at 0.34 bar). Flow rate for ¼" is 3.9 GPM at 5 PSI pressure drop (15 l/min at 0.34 bar). Overall length 2¾" (70 mm). Weight: 1½ ounces (43 g).

51402082 (CNH Industrial) **/ 12328-1/2-NYB** (TeeJet)
51402083 (CNH Industrial) **/ 12328-3/4** (TeeJet)
51402084 (CNH Industrial) **/ 12328-3/4-NYB** (TeeJet)

Made of Nylon with Celcon® bonnet. Check valve opens at 7 PSI (0.5 bar) pressure. (M) inlet connection and (F) outlet connections. Choice of ½" and ¾" NPT sizes. Flow rate for ½" is 12 GPM at 5 PSI pressure drop (45 l/min at 0.34 bar). Flow rate for ¾" is 16 GPM at 5 PSI pressure drop (61 l/min at 0.34 bar). Overall length 3" (76 mm). Weight: 9 ounces (0.26 kg).

51403287 (CNH Industrial) **/ 8360-20-NYB** (TeeJet)

Made of Nylon with Nylon/polypropylene end cap assembly. Check valve opens at 10 PSI (0.7 bar) pressure. ¼" NPT (M) inlet connection. Flow rate of 2.25 GPM at 5 PSI pressure drop (8.5 l/min at 0.34 bar). Overall length 2" (51 mm). Weight: 1 ounce (28 g).

CHEMSAVER® DIAPHRAGM CHECK VALVE NOZZLE BODIES

Similar in design and performance to the TeeJet® Diaphragm Check Valve nozzle bodies, but with pipe thread outlet connections for spray nozzles instead of TeeJet caps and spray tips. For maximum operating pressures of 125 PSI (9 bar).

07.15197 (CNH Industrial) **/ 4664B** (TeeJet)

Made in choice of brass or aluminum with replaceable stainless steel valve seat. Check valve opens at 7 PSI (0.5 bar) pressure. 1/8" NPT (F) inlet connection. Flow rate of 2.0 GPM at 5 PSI pressure drop (7.5 l/min at 0.34 bar). Overall length 2-5/16" (59 mm). Weights: brass 3 ounces (85 g), aluminum 1 ounce (28 g).

07.27844 (CNH Industrial) **/ 4666B** (TeeJet)

Made in brass with replaceable stainless steel valve seat. 1/8" NPT (F) inlet and outlet connections. Flow rate of 2.0 GPM at 5 PSI pressure drop (7.5 l/min at 0.34 bar). Overall length 1 15/16" (49 mm). Check valve opens at 7 PSI (0.5 bar) pressure. Weight: 2½ ounces (71 g).

07.27847 (CNH Industrial) **/ 10742A** (TeeJet)

Made in choice of brass or aluminum. Check valve opens at 7 PSI (0.5 bar) pressure. ¼" NPT (M) inlet and (F) outlet connections. Overall length 1-7/16" (37 mm). Flow rate of 2.25 GPM at 5 PSI pressure drop (8.5 l/min at 0.34 bar). Weights: brass 2½ ounces (71 g), aluminum 2 ounces (57g).

QUICK TEEJET® – NOZZLE BODY CHEMSAVER® CHECK VALVES

CHEMSAVER DIAPHRAGM CHECK VALVES	EXPLODED VIEW

Back end of Diaphragm Check Valves (Brass)

51404880 (CNH Industrial)
CP6227-TEF (TeeJet)
Diaphragm Teflon® (optional)
To be used with 4620 Diaphragm

51404491 (CNH Industrial)
CP4620-FA (TeeJet)
Diaphragm Fairprene® or Viton

51404500 (CNH Industrial)
CP4624 (TeeJet)
Retainer Brass, Aluminum

Back end of Diaphragm Check Valves (Nylon)

51404880 (CNH Industrial)
CP6227-TEF (TeeJet)
Diaphragm
Teflon (optional)
To be used with
21953 Diaphragm

51404043 (CNH Industrial)
CP21953-EPR (TeeJet)
Diaphragm
EPDM or Viton

Note: Nib on diaphragm fits into hole in end cap assembly.

21950-NYB
ChemSaver
End Cap Assembly
Nylon/polypropylene

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	APPROXIMATE OPENING PRESSURE
51402142	21950-2-NY	2 PSI (0.14 BAR)
51402143	21950-5-NYB	5 PSI (0.34 BAR)
51402144	21950-8-NYB	8 PSI (0.6 BAR)
51402139	21950-10-NYB	10 PSI (0.7 BAR)
51402140	21950-15-NY	15 PSI (1 BAR)
51402141	21950-20-NYB	20 PSI (1.4 BAR)

QJS

Diaphragm EPDM
or Viton

51404766 (CNH Industrial)
CP56709-EPR (TeeJet)

51404767 (CNH Industrial)
CP56709-PUR (TeeJet)

51404768 (CNH Industrial)
CP56709-VI (TeeJet)

51403136 (CNH Industrial)
56714-NYB (TeeJet)
End Cap Subassembly

51404769 (CNH Industrial)
CP56711-NYB (TeeJet)
Retaining Ring

QUICK TEEJET® – ROW APPLICATION KIT

THE 23770 ADJUSTABLE ROW APPLICATION KIT IS FOR APPLYING POST-EMERGENCE CHEMICALS OVER CROP ROWS

FEATURES:

- Arms adjustable for length and angle without removing bolts; simply loosen.
- Available with stainless steel arms.
- Positioning one arm at proper angle automatically sets correct angle of second arm.
- Fits square or round booms up to 1½" diameter.
- Kit includes standard and Quick TeeJet® nozzle bodies.
- Side nozzle bodies may be rotated.
- Maximum pressure of 125 PSI (9 bar).
- Spray tips and strainers not included.

HOW TO ORDER:

Specify model number.
Example: 23770-SS

Model #23770 Row Application Kit
(Supplied without spray tips and strainers)

51402146 (CNH Industrial)

QUICK TEEJET® – NOZZLE BODY CHEMSAVER® CHECK VALVES

55295 E-CHEMSAVER® ELECTRIC SOLENOID SHUTOFF

The 55295 e-ChemSaver is a solenoid actuated shutoff compatible with a wide range of TeeJet nozzle bodies equipped with a diaphragm check valve. It can be used for end of boom nozzles as well as individual tip shutoff and PWM controls.

- Valve is normally closed and opens when solenoid is energized.
- Wetted materials include stainless steel and Viton®.
- Use with most diaphragm check valve equipped TeeJet nozzle bodies.
- 100 PSI (6.8 bar) maximum spraying pressure at minimum voltage (12V or 24V).
- 0.6 GPM (2.27 l/min) at 5 PSI (0.34 bar) pressure drop and 0.8 GPM (3.0 l/min) at 10 PSI (0.7 bar) pressure drop.
- ¼ second response time.
- Offered in 12- or 24-Volt DC version.
- 2-Pin MetriPack connector molded into body for a clean, weather-tight electrical connection.

55295

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	VOLTAGE (DC)	FOR USE WITH TEEJET NOZZLE BODY
47726635	55295-1-12	12	QJ17560A, QJ360E, QJ200, QJ300, 24216A, 24230A, QJ39685, QJ(T)8360

55300 AIR CHEMSAVER SHUTOFF

55300 ChemSaver Air Shutoff Valve is designed as a pneumatic valve for use on Quick TeeJet® nozzle assemblies. Air pressure is used to open the valve and a spring is used to close the valve.

- Wetted materials include polypropylene, Kynar® and Viton.
- 45 PSI (3.1 bar) minimum air pressure.
- 150 PSI (1b bar) maximum liquid pressure.
- Air inlet fitting swivels around body and accepts 6mm push-to-connect fittings for fast installation.
- Valve is normally closed.
- Very low air consumption per cycle reduces load on air supply system.

55300

58140 CHEMSAVER MANUAL SHUTOFF

- Use with any application where individual shutoff is important such as golf course and estate sprayers.
- Fits any Quick TeeJet nozzle body with diaphragm check valve.
- With retaining ring in fully open position (turn counterclockwise), functions like a standard 10 PSI (0.7 bar) diaphragm check valve.
- With retaining ring in fully closed position (turn clockwise), all flow through nozzle body is shut off.
- 150 PSI (10 bar) maximum pressure rating.
- Nylon construction.

51403139 (CNH Industrial)
58140-NYB (TeeJet)

HOW TO ORDER:

Specify model number.
Example:

55295-1-12 – e-ChemSaver Shutoff
55300 – Air ChemSaver Shutoff
58140-NYB – Manual ChemSaver Shutoff

QUICK TEEJET® – SPECIALTY FITTINGS

98450 SERIES BRASS ROLLOVER

TeeJet rollovers are designed for use on air blast sprayers in orchard and vineyard spraying applications. These compact rollovers are available with or without diaphragm check valve, offer a choice of single- or double-outlet configurations, and are available with a variety of inlet connection sizes and thread types.

Precision machined forged brass construction makes TeeJet rollovers both rugged and durable.

- Maximum recommended pressure of 750 PSI (52 bar)
- Flow rate of 1.6 GPM (6.1 l/min) with a 10 PSI (0.69 bar) pressure drop
- Two shutoff positions at 90° from open
- Three open positions at vertical and +/-15° from vertical with positive detent
- 11/16"- 16 outlet thread accepts standard tip retaining caps

98451
Single Outlet

98453
Single Outlet

SAMPLE ROLLOVER PART NUMBER:

B98450–1/4F

INLET THREAD TYPE	
BLANK	NPT
B	BSPT
S	NPS
P	BSPP

Note: NPS & BSPP versions include locking nut on inlet

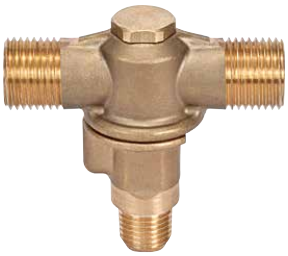
MODEL SPECIFICATION	
9845	ROLLOVER

INLET THREAD SIZE	
1/4F	1/4" FEMALE
1/4M	1/4" MALE
3/8M	3/8" MALE

Note: 1/4F not available in NPS or BSPP

BODY CONFIGURATION	
0	DOUBLE OUTLET, WITH CHECK VALVE
1	SINGLE OUTLET, WITH CHECK VALVE
2	DOUBLE OUTLET, NO CHECK VALVE
3	SINGLE OUTLET, NO CHECK VALVE

98450
Double Outlet



98452
Double Outlet

TYPICAL ASSEMBLY WITH CERAMIC DISC AND CORE

4514-NY Slotted Strainer*

Core

Disc

CP20230 TeeJet Cap

*Use CP20229-NY gasket when 4514-NY Nylon slotted strainer is not used.

TEEJET® — SWIVEL NOZZLE BODIES

QUICK TEEJET® SWIVEL NOZZLE BODIES

QJ8600 swivel Quick TeeJet nozzle body assemblies provide the same spray tip adjustability of a standard TeeJet threaded swivel plus the quick change and self-aligning features of the Quick TeeJet System.

QJ8600-2-1/4-NYB
Double Swivel Nozzle

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PIPE THREAD	MATERIAL
51405783	QJ8600-2-1/4-NYB	1/4" NPT (F)	Nylon

QJ8600-1/4-NYB
Single Swivel Nozzle

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PIPE THREAD	MATERIAL
51405782	QJ8600-1/4-NYB	1/4" NPT (F)	Nylon

SWIVEL NOZZLE BODIES

TeeJet swivel nozzle bodies are primarily for use with tips employed in row crop spraying. A locknut holds swivel bodies firmly in position at selected spray projection angle so they are not affected by jarring and vibration. For use at pressures up to 125 PSI (9 bar).

Type 5000
Single Swivel Nozzle

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	INLET CONNECTION	MATERIAL	SWIVEL ARC RANGE
51402772	5000-1/4T	1/4" NPT (F)	Brass	280°

Type 4202
Double Swivel Nozzle

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	INLET CONNECTION	MATERIAL	SWIVEL ARC RANGE
51402149	4202-2-1/4T	1/4" NPT (F)	Brass	280°

Type 6240
Double Swivel Nozzle

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	INLET CONNECTION	MATERIAL	SWIVEL ARC RANGE
51403207	6240-1/4TT	1/4" NPT (M)	Brass	280°

Type 8600 Nylon
Single Swivel Nozzle

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	INLET CONNECTION	MATERIAL	SWIVEL ARC RANGE
51403317	8600-1/4T-NYB	1/4" NPT (F)	Nylon	280°

Type 8600-2 Nylon
Double Swivel Nozzle

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	INLET CONNECTION	MATERIAL	SWIVEL ARC RANGE
51403318	8600-2-1/4T-NYB	1/4" NPT (F)	Nylon	280°

HOW TO ORDER:

Examples: 5000-1/4T Brass NPT
B5000-1/4T Brass BSPT

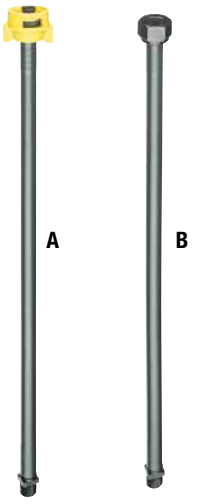
Note: Swivels do not include tips, strainers or caps.

TEEJET® — HOSE DROPS

Hose drops connect to standard and Quick TeeJet nozzle bodies and can also be used with swivels. Available in 15" (380 mm) and 24" (610 mm) lengths. Maximum operating pressure of 125 PSI (9 bar).

Note: QJ1/4T-NYB can be attached to hose drops for use with Quick TeeJet caps. See page 84 for ordering information.

ITEM	HOSE DROP NUMBER		LENGTH	INLET CONNECTION	OUTLET CONNECTION	MATERIAL
	CNH INDUSTRIAL PART NO.	TEEJET PART NO.				
A	51402125	21353-6-15-NYB	15" (380 mm)	Quick TeeJet Type	1/4" NPT (M)	Nylon with Quick TeeJet cap and EPDM gasket
	51402126	21353-6-24-NYB	24" (610 mm)			
B	51402127	21354-15-NYB	15" (380 mm)	11/16"–16 TeeJet Thread		Nylon
	51402128	21354-24-NYB	24" (610 mm)			



QJ1/4T-NYB

TEEJET® — HOSE SHANK NOZZLE BODIES

FOR OPERATING PRESSURES UP TO 125 PSI (9 BAR)

Brass, stainless steel, Nylon and Celcon®/stainless steel hose shank nozzle bodies. Features 11/16"-16 TeeJet threaded outlet.

See page 91 for clamp assemblies.

HOW TO ORDER:

To order body assembly only, specify hose shank assembly number.
Example: 12202-CE-1062

SINGLE HOSE CONNECTION

6471B
8121-NYB
9191B
12201-CE

HOSE SHANK BODY ASSEMBLY NUMBER		TO FIT HOSE I.D.	MATERIAL
CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51403220	6471B-400TD	3/8"	Brass
51403221	6471-SS-C400TD	3/8"	Stainless Steel
51403283	8121-NYB-406TD	3/8"	Nylon
51403284	8121-NYB-540TD	1/2"	Nylon
51403319	9191B-531TD	1/2"	Brass
51403320	9191-SS-C531TD	1/2"	Stainless Steel
51402078	12201-CE-785TD	3/4"	Celcon Hose Shank/Stainless Steel Threaded Outlet
51402077	12201-CE-1062TD	1"	

DOUBLE HOSE CONNECTION

6472B
8120-NYB
9192B
12202-CE

HOSE SHANK BODY ASSEMBLY NUMBER		TO FIT HOSE I.D.	MATERIAL
CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51403222	6472B-400TD	3/8"	Brass
51403223	6472-SS-C400TD	3/8"	Stainless Steel
51403281	8120-NYB-406TD	3/8"	Nylon
51403282	8120-NYB-540TD	1/2"	Nylon
51403321	9192B-531TD	1/2"	Brass
51403322	9192-SS-C531TD	1/2"	Stainless Steel
51402080	12202-CE-785TD	3/4"	Celcon Hose Shank/ Stainless Steel Threaded Outlet
51402079	12202-CE-1062TD	1"	

TEEJET® — SPLIT EYELET NOZZLE BODIES

FOR WET BOOMS

Mounting on ½", ¾" or 1" pipe or tubing.

- 25775-NYB mounts to 3/8" (9.5 mm) hole drilled in pipe or tubing.
- 7421 mounts to 9/32" (7.2 mm) hole drilled in pipe or tubing.
- 25775-NYB and 7421 feature 11/16"-16 TeeJet threaded outlets.
- 25888-NYB features 1/4" (M) NPT threaded outlet.

HOW TO ORDER:

Specify split eyelet assembly number.
Examples: 7421-1/2T-SS
25775-1/2T-NYB
25888-1/2-NYB

25775-NYB
Operating pressures up to 150 PSI (10 bar)

SPLIT EYELET ASSEMBLY NUMBER		MATERIAL	TO CLAMP ON
CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51402291	25775-1/2T-NYB 25888-1/2-NYB	Nylon	1/2" Pipe 13/16" O.D. Tubing 7/8" O.D. Tubing
51402293	25775-3/4T-NYB 25888-3/4-NYB	Nylon	3/4" Pipe 1" O.D. Tubing 1-1/16" O.D. Tubing
51402292	25775-1T-NYB 25888-1-NYB	Nylon	1" Pipe 1-1/4" O.D. Tubing 1-3/8" O.D. Tubing

7421
Operating pressures up to 250 PSI (17 bar)

SPLIT EYELET ASSEMBLY NUMBER		BODY MATERIAL	TO CLAMP ON
CNH INDUSTRIAL PART NO.	TEEJET PART NO.		
51403245	7421-1/2T	Brass	1/2" Pipe 13/16" O.D. Tubing 7/8" O.D. Tubing
51403249	7421-1/2T-SS	Stainless Steel	
51403248	7421-1/2T-NYB	Nylon	
51403258	7421-3/4T	Brass	3/4" Pipe 1" O.D. Tubing 1-1/16" O.D. Tubing
51403261	7421-3/4T-SS	Stainless Steel	
51403260	7421-3/4T-NYB	Nylon	
51403252	7421-1T	Brass	1" Pipe 1-1/4" O.D. Tubing 1-3/8" O.D. Tubing
51403255	7421-1T-SS	Stainless Steel	
51403254	7421-1T-NYB	Nylon	

TEEJET® – NOZZLE PARTS

STANDARD PARTS

TeeJet Spray Nozzle

=

Type T or TT nozzle body

+

5053 Strainer

+

Optional Tip Gasket CP5871-BU

+

Spray Tip

+

CP1325 TeeJet Cap

11750 TEEJET CHECK VALVE

For larger capacity TeeJet nozzles where strainers are not required. Ball check opens at 5 PSI (0.34 bar), 10 PSI (0.7 bar) spring also available. Recommended for flow rates from .40 to 1.5 GPM (1.5–5.7 l/min). Made in choice of stainless steel, brass, aluminum or polypropylene with stainless steel ball and spring.

TEEJET NOZZLE BODIES

Type-TT

Male Inlet NPT or BSPT Connection

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	FOR TEEJET NOZZLE TYPE	MALE SIZE	MATERIAL
51403848	CP1336	1/8TT	1/8"	Brass
51403832	CP1322	1/4TT	1/4"	Brass
51405107	CP8028-NYB	1/4TT-NYB	1/4"	Nylon
51403835	CP1322-SS	1/4TT-SS	1/4"	Stainless Steel
51403838	CP1324	3/8TT	3/8"	Brass
51403853	CP1340	1/2TT	1/2"	Brass
51404331	CP3818	3/4TT	3/4"	Brass
51404332	CP3818-SS	3/4TT	3/4"	Stainless Steel

Type-T

Female Inlet NPT or BSPT Connection

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	FOR TEEJET NOZZLE TYPE	FEMALE SIZE	MATERIAL
51403845	CP1335	1/8T	1/8"	Brass
51403829	CP1321	1/4T	1/4"	Brass
51403786	CP12094-NYB	1/4T-NYB	1/4"	Nylon
51403831	CP1321-SS	1/4T-SS	1/4"	Stainless Steel
51403836	CP1323	3/8T	3/8"	Brass
51403851	CP1339	1/2T	1/2"	Brass
51404329	CP3817	3/4T	3/4"	Brass
51404330	CP3817-SS	3/4T	3/4"	Stainless Steel

CP1325

CP18032A-NYB

TEEJET NOZZLE CAPS

Secure interchangeable TeeJet tips to the various nozzle bodies. 18032A-NYB winged TeeJet cap allows quick change of spray tips with no tool required.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	DESCRIPTION
51403840	CP1325	Brass
51405106	CP8027-NYB	Nylon
51403841	CP1325-AL	Aluminum
51403843	CP1325-SS	Stainless Steel
51403933	CP18032A-NYB	Winged Cap, Nylon
51404333	CP3819	Brass, use with 3/4T & 3/4TT body
51404334	CP3819-SS	Stainless Steel, use with 3/4T & 3/4TT body
51404016	CP20230	Brass, use with ceramic disc-cores

45° NOZZLE BODY

Ideal for use with FullJet®, FloodJet® and Turbo FloodJet® nozzles. Can be used with QJ4676 Quick TeeJet® cap or standard 4676 outlet adapter. Made of polypropylene.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	INLET	OUTLET
51402087	22669-1/4-PPB	1/4" (M)	11/16"–16 (M)

HOW TO ORDER:

Specify part number.
Example: 22669-1/4-PPB

CLAMP ASSEMBLIES

Consist of upper and lower clamps and bolt for use with hose shank nozzle bodies.

AA111

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO CLAMP ON
51403366	AA111-1/2	1/2" Pipe (13/16" & 7/8" O.D. Tubings)
51403368	AA111-3/4	3/4" Pipe (1" & 1-1/16" O.D. Tubings)
51403365	AA111-1	1" Pipe (1-1/8", 1-1/4" & 1-3/8" O.D. Tubings)
51403367	AA111-1-1/4	1-1/4" Pipe (1-9/16" & 1-11/16" O.D. Tubings)

AA111SQ

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	TO CLAMP ON
51403369	AA111SQ-1	1" Square Tubing
51403371	AA111SQ-1-1/4	1-1/4" Square Tubing
51403370	AA111SQ-1-1/2	1-1/2" Square Tubing

TEEJET® – NOZZLE PARTS

PIPE PLUGS

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	THREAD	MATERIAL
51403296	8400-1/4-PPB	1/4" NPT	Poly-propylene
51403303	8400-3/8-NYB	3/8" NPT	Nylon
51403292	8400-1/2-NYB	1/2" NPT	Nylon
51403300	8400-3/4-NYB	3/4" NPT	Nylon

HOW TO ORDER:

Specify part number.
Example: 8400-3/8-NYB – Nylon

PLUG TIP

CP3942 plug tip is used to temporarily shut off selected nozzles by replacing spray tips with these plug tips. Quick, easy way to change spacing of nozzles along boom. Materials: brass, aluminum or stainless steel.

HOW TO ORDER:

Specify part number and material.
Example: CP3942-SS

4676 TEEJET OUTLET ADAPTERS

Fits the outlets of TeeJet nozzle bodies as well as the outlets of various GunJet® spray guns and shutoff valves. Replaces CP1325 TeeJet cap. Used for attaching hose drops to nozzles or extensions to spray guns.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	MATERIAL OUTLET CONNECTION	NPT (F)
51402017	4676-1/2	Brass	1/8" 1/4" 3/8" 1/2" 3/4"
51402866 51402867	4676-NYB-1/4 4676-NYB-1/8	Nylon	1/8" 1/4"
51402870 51402869 51402872 51402868 51402871	4676-SS-1/8 4676-SS-1/4 4676-SS-3/8 4676-SS-1/2 4676-SS-3/4	Stainless Steel	1/8" 1/4" 3/8" 1/2" 3/4"

*Specify outlet connection.

HOW TO ORDER:

Specify adapter number and material.
Example: 4676-SS-1/4 – Stainless Steel

CP4928 CP6250 6406

TEEJET OUTLET FITTINGS

These fittings replace spray tips and are used for attaching drop pipes to nozzle bodies or adding extensions to AA23 and AA31 GunJet spray guns and trigger valves.

CP4928 Adapter—Brass, aluminum or stainless steel. Length 1". 1/8" NPT female outlet connection.

CP6250 Adapter—Brass or steel. Length 9/16". 1/8" NPT female outlet connection.

6406 Adapter—Brass, aluminum or steel. Length 15/16". 1/8" NPT male outlet connection.

HOW TO ORDER:

Specify part number and material.
Example: CP4928 – Brass

TEEJET HOSE SHANKS

For attaching hose to nozzle body. Fits all standard TeeJet nozzle caps, replacing spray tips. Type 4251 is available in choice of brass or stainless steel. Type 8400 is made of Nylon.

8400 4251

HOW TO ORDER:

Specify hose shank number and material.
Example: 4251-250 Brass

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	FOR HOSE I.D.	MATERIAL
51403304	8400-406-NYB	3/8"	Nylon
51403305	8400-500-NYB	1/2"	Nylon
51402565	4251-250	1/4"	Brass
51402566	4251-250-SS	1/4"	Stainless Steel
51402567	4251-312	5/16"	Brass
51402568	4251-312-SS	5/16"	Stainless Steel
51402571	4251-400	3/8"	Brass
51402572	4251-400-SS	3/8"	Stainless Steel
51402573	4251-437	7/16"	Brass
51402574	4251-437-SS	7/16"	Stainless Steel
51402575	4251-500	1/2"	Brass
51402576	4251-500-SS	1/2"	Stainless Steel

HOSE SHANK ADAPTERS

8400

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	NPT THREAD CONN. (MALE)	FOR HOSE I.D.	MATERIAL
51403293	8400-1/4-300-NYB	1/4"	1/4"	Nylon
51403294	8400-1/4-406-NYB	1/4"	3/8"	Nylon
51403295	8400-1/4-535-NYB	1/4"	1/2"	Nylon
51403301	8400-3/8-406-NYB	3/8"	3/8"	Nylon
51403302	8400-3/8-535-NYB	3/8"	1/2"	Nylon
51403289	8400-1/2-406-NYB	1/2"	3/8"	Nylon
51403290	8400-1/2-535-NYB	1/2"	1/2"	Nylon
51403297	8400-3/4-535-NYB	3/4"	1/2"	Nylon
51403298	8400-3/4-660-NYB	3/4"	5/8"	Nylon
51403299	8400-3/4-785-NYB	3/4"	3/4"	Nylon
51403310	8400-T-406-NYB TeeJet Body w/ hose shank connection	Fits TeeJet Cap	3/8"	Nylon

DIRECTOVALVE® – B STYLE ELECTRIC MOTORS AND VALVES

SHUTOFF/CONTROL MOTORS

Boom Control motors are 22 RPM for 344B series (0.7 second shutoff valves) and 25 RPM for 346B and 356 series (0.6 second shutoff valves) for 12 VDC systems. Available with E or EC series motors with DIN or CABLE versions. E type motors work with DPDT (double pole, double throw) switch. EC type motors work with simple SPST (single pole, single throw) on/off switch and are compatible with all sprayer controls.

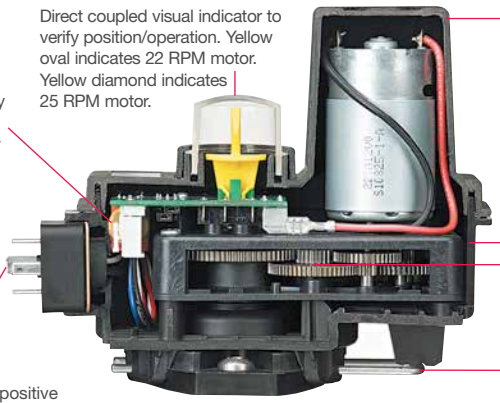
Current draw less than 2 amps (1.7 amps at 40 in-lbs.).

Electrical connectors can be ordered with a standard number.

Note: 2-way control motors can be rotated 180° to change the cable outlet direction on the valve. There is also an adapter to rotate motors 90°, contact your local representative for more information.

An internal fuse protects the valve and your electrical system, and it resets automatically by disconnecting power to the motor for 20 seconds.

Direct coupled visual indicator to verify position/operation. Yellow oval indicates 22 RPM motor. Yellow diamond indicates 25 RPM motor.



Cover fits snugly over the motor cavity to reduce air space and eliminate condensation. It's sealed and sonically welded to comply with the IP67 rating for submersion under water.

Permanent etched marking with complete motor number and date coded (year, month, day).

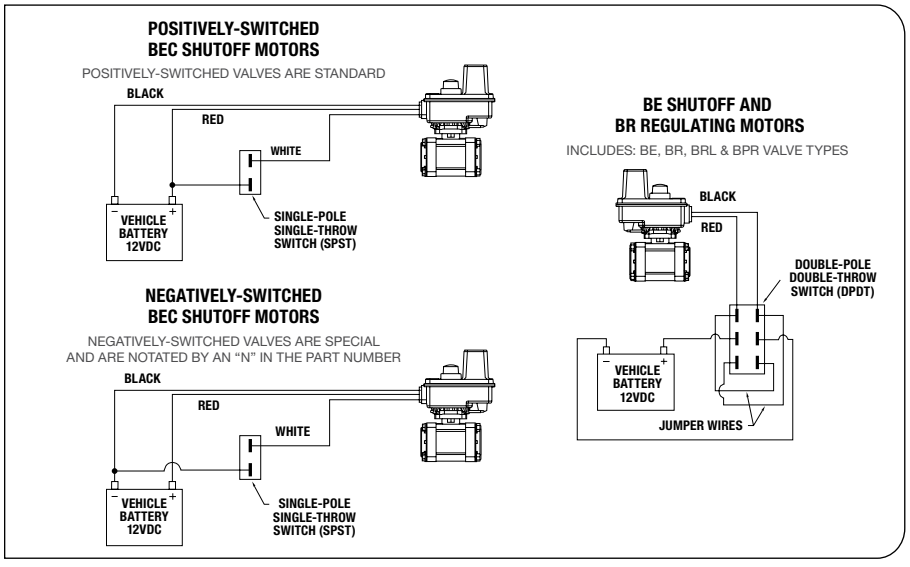
Double-wall construction of the gearbox increases strength and maintains permanent lubrication of the durable, all-metal gears.

Motor head assembly is easily detached by pulling a retaining pin allowing manual operation or easy replacement of the motor.

Available for either positive or negative switched electrical systems with a sturdy, built-in double sealed grommet and flat gasket that seals the DIN connector versions. Motor and DIN cables are made of polyurethane.

REGULATING MOTORS

Choosing the proper regulating motor speed is important to maximizing the sprayer's performance. Three speeds are offered at this time: 1 RPM, 3 RPM and 6 RPM. The 1 RPM speed is used mostly in manual systems; it is too slow for automated rate control. The other two speeds are used in automated systems. The 3 RPM is the most popular and opens the valve to the maximum flow in about 6 seconds for the RL valve and about 10 seconds for the PR valves. The 6 RPM motor cuts those times in half.



DIN AND CABLE ELECTRICAL CONNECTOR

Both DIN and motor cables are made of polyurethane and are pressure extruded creating a round cable for improved sealing. Polyurethane has twice the strength and three times the tear and abrasion resistance of PVC. Motor cables include over-molded plugs that seal off the ends of cables and wires to prevent seepage. Conductor insulation uses familiar color coding of red, white and black.

DIN cable connectors are constructed of a special over molded elastomeric material that does not require a flat gasket to be sealed. The center screw is made of stainless steel.

HOW TO ORDER:

Example: 38082-30, 10 ft. (3 meter) DIN cable.

DIN CABLE	CABLE
38082-05	1.5' (0.5 meter) DIN cable
38082-15	5' (1.5 meter) DIN cable
38082-30	10' (3 meter) DIN cable
38082-60	20' (6 meter) DIN cable

DIN cables are ordered separately.

DIRECTOVALVE® – B STYLE MOTORS

344B, 440B, 450B, 460B SERIES SHUTOFF MOTOR NUMBERS

BEC POSITIVE SWITCH MOTOR		*BEC NEGATIVE SWITCH MOTOR		BE SWITCH MOTOR		CURRENT DRAW (AMPS)**	CABLE LENGTH
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	344B, 440B, 450B, 460B	
51402909	50515-22CP03	-	-	51402966	* 50533-22C03	1.1	1.08 (0.3 meter) cable
51402912	50515-22CP05	51402906	* 50515-22CN05	51402967	50533-22C05	1.1	1.58 (0.5 meter) cable
51402925	50515-22CP15	51402907	* 50515-22CN15	51402972	* 50533-22C15	1.1	58 (1.5 meter) cable
51402929	50515-22CP60	-	-	51402973	* 50533-22C60	1.1	208 (6 meter) cable
51402932	50515-22DP	51402931	* 50515-22DN	51402974	* 50533-22D	1.1	DIN Electrical Connector

*BYPASS VALVE (NORMALLY OPEN) BEC MOTORS
344B, 440B, 450B, 460B SERIES

BEC POSITIVE SWITCH MOTOR		BE SWITCH MOTOR		CURRENT DRAW (AMPS)**	CABLE LENGTH
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	344B, 440B, 450B, 460B	
-	-	51402966	* 50533-22C03	1.1	1.08 (0.3 meter) cable
51402991	50994-22CP05	51402967	50533-22C05	1.1	1.58 (0.5 meter) cable
51402992	50994-22CP15	51402972	* 50533-22C15	1.1	58 (1.5 meter) cable
51402993	50994-22CP60	51402973	* 50533-22C60	1.1	208 (6 meter) cable
51402994	50994-22DP	51402974	* 50533-22D	1.1	DIN Electrical Connector

344B & 346B REGULATING MOTORS

SPEED (RPM)	R & RL MOTOR NO.		PR MOTOR NO.		CURRENT DRAW (AMPS)**		CABLE LENGTH
	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	CNH INDUSTRIAL PART NO.	TEEJET PART NO.	AA344B	AA346B	
1	51402933	* 50516-01C03	51402995	* 50996-01C03	0.10	0.12	1.08 (0.3 meter) cable
1	51402934	* 50516-01C05	51402996	* 50996-01C05	0.10	0.12	1.58 (0.5 meter) cable
1	51402939	* 50516-01C60	51402999	* 50996-01C60	0.10	0.12	208 (6 meter) cable
1	51402940	* 50516-01D	51403000	* 50996-01D	0.10	0.12	DIN Electrical Connector
3	51402941	* 50516-03C03	51403001	* 50996-03C03	0.15	0.20	1.08 (0.3 meter) cable
3	51402943	* 50516-03C05	51403002	* 50996-03C05	0.15	0.20	1.58 (0.5 meter) cable
3	51402951	* 50516-03C15	-	-	0.15	0.20	58 (1.5 meter) cable
3	51402952	* 50516-03C60	51403004	* 50996-03C60	0.15	0.20	208 (6 meter) cable
3	51402954	* 50516-03D	51403005	* 50996-03D	0.15	0.20	DIN Electrical Connector
6	51402956	* 50516-06C03	51403006	* 50996-06C03	0.43	0.50	1.08 (0.3 meter) cable
6	51402957	* 50516-06C05	51403007	* 50996-06C05	0.43	0.50	1.58 (0.5 meter) cable
6	-	* 50516-06C60	51403009	* 50996-06C60	0.43	0.50	208 (6 meter) cable
6	51402962	* 50516-06D	-	-	0.43	0.50	DIN Electrical Connector

Items marked with "*" are non-stock items.
** Current draw is a nominal rating @ 13.8 VDC and will vary dependent upon valve usage and chemicals used.
Note: DIN cables are ordered separately. See page 93 for DIN cable options.

DIRECTOVALVE® – ELECTRIC REGULATING VALVES

DIRECTOVALVE® ELECTRIC PRESSURE REGULATING VALVES

The proper regulating valve will enhance the operation of a sprayer, especially one with an automatic rate controller. While advanced electronics provide features and control, the proper regulating valve helps the system to respond quickly to input changes and functions over a wide range of application rates. Choosing the proper valve involves determining the maximum capacity required, the range of application rates and the proper motor speed.

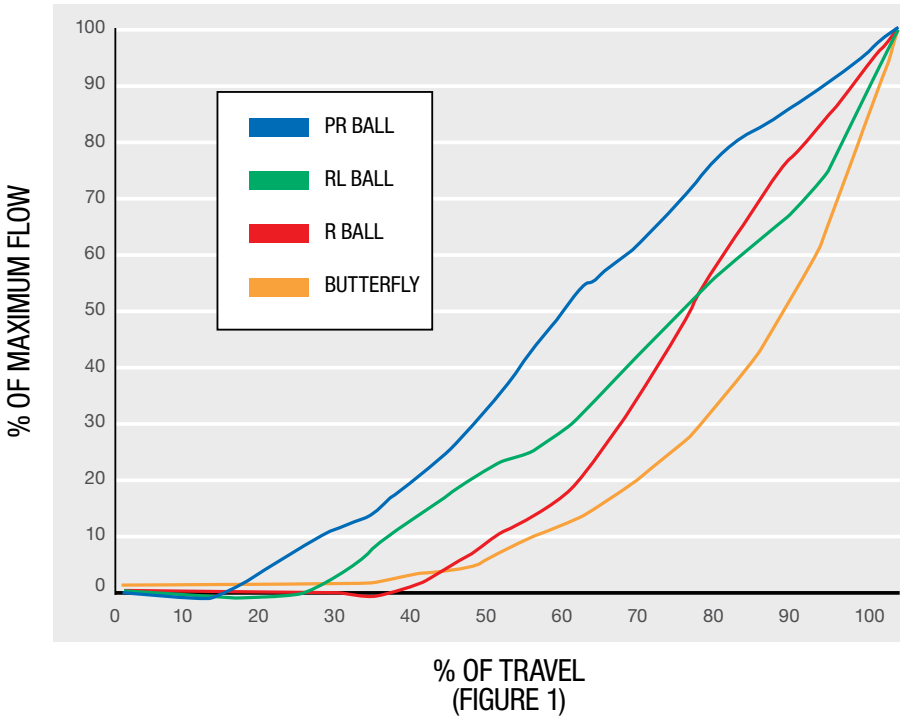
SYSTEM CAPACITY

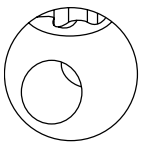
A regulating valve's system requirements will depend on the application amount and the pumping capacity. Additionally, the regulating valve can be used in bypass or throttling mode. In throttling mode, the flow through the valve will be applied through the nozzles. In bypass mode, the excess flow from the pump is recirculated. A valve that works well throughout the flow spectrum has the best chance to work in all situations.

TYPES OF REGULATING VALVES

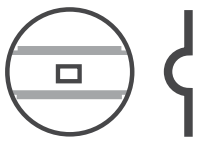
Special ball shapes make regulating valves more responsive and able to work with both high and low application rates. Most agricultural sprayers use either a 2-way ball valve or butterfly valve for regulating purposes. When considering sizing a regulating valve, the first concern is to understand the valve's flow curve to determine how efficiently the valve will regulate. Figure 1 shows typical flow curves for DirectoValve® regulating type valves. This will help to decide the type of valve to use.

REGULATING VALVE FLOW CURVES

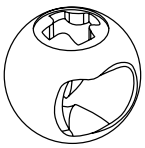




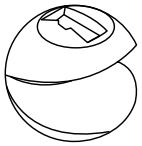
R Type Valve



Butterfly Valve



RL Valve



PR Valve

R TYPE AND BUTTERFLY VALVES

As shown on the graph, the butterfly valve has the most non-linear flow curve for final 1/3 (30°) of travel leading to an increase of 75% in flow through the valve. The straight 2-way "R" ball curve is not quite as steep, with the flow through the valve increasing by 60% over the last 30° of travel. The "R" ball, however, has the additional disadvantage of not allowing significant flow during the first 1/3 of its rotation. Since a small change of rotation causes a significant change using these valves, trying to regulate large flows when the valve is two thirds to full open presents a challenge.

RL VALVE

TeeJet Technologies has developed a special ball that allows the valve to start regulating earlier thus extending the regulating range. This special ball valve also increases flow and the linear characteristic of the valve during the first ¾ of the valve cycle. The flow from the valve starts 10° earlier, than a regular R type ball and increases the flow of the RL ball during the first 70% of travel (Figure 1). The maximum capacity is about 10% less than an R type valve.

PR VALVE

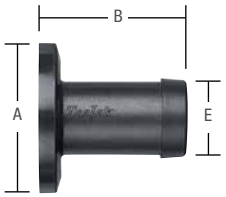
The PR valve uses a 3-way valve body and a ball with a wedge removed. The combination of this ball and a motor that rotates past the standard 90° results in a valve with an almost linear flow curve. The 2PR version has one outlet plugged. The 3PR version allows bypass flow to return to the tank.

As noted in Figure 1, the percentage of flow increases by approximately the amount of ball travel thus avoiding the rapid change seen with standard ball valves and butterfly valves.

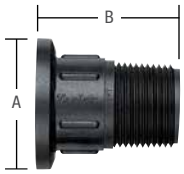
DIRECTOVALVE® – FLANGE FITTINGS

FEATURES:

- Polypropylene construction.
- Full port design.
- Viton® O-ring seal available with clamp (not included with flange).



- Maximum pressure rating of 200 PSI (14 bar) for 75 series fittings.
- Maximum pressure rating of 300 PSI (20 bar) for 50 series fittings.



STRAIGHT HOSE BARB FLANGES

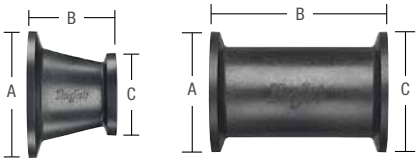
DESCRIPTION	SERIES	"A"	"B"	"E"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
3/4" Hose Barb	50	2" (51 mm)	1-11/16" (43 mm)	¾" (19 mm)	47804777	CP48150-PP
1" Hose Barb	50	2" (51 mm)	2" (51 mm)	1" (25 mm)	51404432	CP45504-PP
1-1/4" Hose Barb	50	2" (51 mm)	2" (51 mm)	1-1/4" (31 mm)	51404433	CP45505-PP
1-1/2" Hose Barb	50	2" (51 mm)	2" (51 mm)	1-1/2" (38 mm)	51404434	CP45506-PP
1-1/4" Hose Barb	75	3-1/16" (78 mm)	1-13/16" (46 mm)	1-1/4" (31 mm)	51404525	CP48160-PP
1-1/2" Hose Barb	75	3-1/16" (78 mm)	2-3/16" (56 mm)	1-1/2" (38 mm)	51404480	CP46067-PP
2" Hose Barb	75	3-1/16" (78 mm)	2-3/4" (70 mm)	2" (51 mm)	51404526	CP48161-PP

THREADED FLANGES (MALE)

DESCRIPTION	SERIES	"A"	"B"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
3/4" Male Pipe Thread	50	2" (51 mm)	2" (51 mm)	51404535	CP48172-PP
1" Male Pipe Thread	50	2" (51 mm)	2-3/16" (56 mm)	51404521	CP48155-PP
1-1/2" Male Pipe Thread	50	2" (51 mm)	2-3/4" (70 mm)	51404522	CP48156-PP
1-1/4" Male Pipe Thread	75	3-1/16" (78 mm)	2-1/2" (64 mm)	51404530	CP48165-PP
1-1/2" Male Pipe Thread	75	3-1/16" (78 mm)	2-1/2" (64 mm)	51404531	CP48166-PP
2" Male Pipe Thread	75	3-1/16" (78 mm)	2-9/16" (65 mm)	51404532	CP48167-PP

90° HOSE BARB FLANGES

DESCRIPTION	SERIES	"A"	"B"	"C"	"E"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
90° × 3/4" Hose Barb	50	2" (51 mm)	1-1/2" (38 mm)	2" (51 mm)	3/4" (19 mm)	51404518	CP48151-PP
90° × 1" Hose Barb	50	2" (51 mm)	1-1/2" (38 mm)	2" (51 mm)	1" (25 mm)	47780622	CP48152-PP
90° × 1-1/4" Hose Barb	50	2" (51 mm)	1-15/16" (49 mm)	2-9/16" (65 mm)	1-1/4" (31 mm)	51404960	CP72238-PP
90° × 1-1/2" Hose Barb	50	2" (51 mm)	1-15/16" (49 mm)	2-9/16" (65 mm)	1-1/2" (38 mm)	51404961	CP72239-PP
90° × 1-1/4" Hose Barb	75	3-1/16" (78 mm)	1-15/16" (49 mm)	2-9/16" (65 mm)	1-1/4" (31 mm)	51404527	CP48162-PP
90° × 1-1/2" Hose Barb	75	3-1/16" (78 mm)	1-15/16" (49 mm)	2-9/16" (65 mm)	1-1/2" (38 mm)	51404528	CP48163-PP
90° × 2" Hose Barb	75	3-1/16" (78 mm)	1-15/16" (49 mm)	3-5/16" (84 mm)	2" (51 mm)	51404529	CP48164-PP

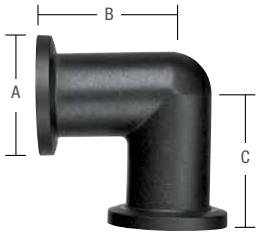


STRAIGHT FLANGE COUPLINGS

DESCRIPTION	SERIES	"A"	"B"	"C"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
Straight Coupling	50	2" (51 mm)	2-1/4" (57 mm)	2" (51 mm)	51404523	CP48157-PP
Straight Coupling	75	3-1/16" (78 mm)	4-3/8" (111 mm)	3-1/16" (78 mm)	51404534	CP48169-PP
Reducer Coupling	75/50	3-1/16" (78 mm)	2-3/16" (56 mm)	2" (51 mm)	51404421	CP45207-PP

GAUGE PORT FLANGE

DESCRIPTION	SERIES	"A"	"B"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
1/4" Gauge Port	50	2" (51 mm)	3/4" (19 mm)	51404436	CP45508-1/4-PP CP45508-1/4-PP
3/8" Gauge Port	50	2" (51 mm)	3/4" (19 mm)	51404455	CP45539-3/8-PP CP45539-3/8-PP
Blank Inlet Cover	50	2" (51 mm)	5/16" (8 mm)	51404435	CP45507-PP
1/4" Gauge Port	75	3-1/16" (78 mm)	3/8" (9 mm)	51404488	CP46127-1/4-PP
3/8" Gauge Port	75	3-1/16" (78 mm)	3/8" (9 mm)	51404489	CP46127-3/8-PP
Blank Inlet Cover	75	3-1/16" (78 mm)	3/8" (9 mm)	51404481	CP46069-PP



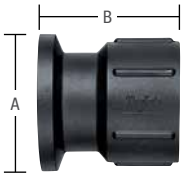
90° FLANGE COUPLINGS

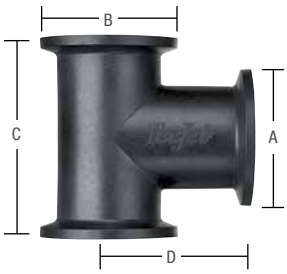
DESCRIPTION	SERIES	"A"	"B"	"C"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
90° Elbow Coupling	50	2" (51 mm)	2-3/16" (56 mm)	2-3/16" (56 mm)	51404524	CP48158-PP
90° Elbow Coupling	70	3-1/16" (78 mm)	2-3/16" (56 mm)	3-1/8" (79 mm)	51404533	CP48168-PP

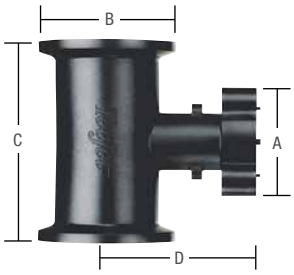
DIRECTOVALVE® — FLANGE FITTINGS

THREADED FLANGES (FEMALE)

DESCRIPTION	SERIES	"A"	"B"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
1" Female Pipe Thread	50	2" (51 mm)	2" (51 mm)	51404520	CP48154-PP
1¼" Female Pipe Thread	50	2" (51 mm)	2" (51 mm)	51404440	CP45512-PP
1½" Female Pipe Thread	75	3-1/16" (78 mm)	2" (51 mm)	51404479	CP46066-PP







TEE FLANGES

DESCRIPTION	SERIES	"A"	"B"	"C"	"D"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
Tee	50	2" (51 mm)	2" (51 mm)	4-3/8" (111 mm)	2-7/8" (73 mm)	51404650	CP50193-PP
Narrow Tee		2" (51 mm)	2" (51 mm)	3-3/16" (81 mm)	2" (51 mm)	47780608	CP55242-PP
Reducer Tee	50/75	2" (51 mm)	3-1/16" (78 mm)	4-3/8" (111 mm)	2-7/8" (73 mm)	51404508	CP46717-PP
Tee	75	3-1/16" (78 mm)	3-1/16" (78 mm)	4-3/8" (111 mm)	3-1/8" (79 mm)	51404507	CP46716-PP
450 Tee Body	75	—	3-1/16" (78 mm)	4-3/8" (111 mm)	3-1/4" (82 mm)	51404423	CP45251-PP
450 Tee Body (Narrow)	75	—	3-1/16" (78 mm)	3-1/8" (79 mm)	3-1/4" (82 mm)	51404711	CP55224-PP

Note: There are no mounting provisions on the 50 series tee.

FLANGE CLAMPS

DESCRIPTION	SERIES	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
2-Way Valve	50	51402009	46070*
3-Way Valve	50	51402008	46024*
2-Way Valve Stainless Steel	50	51403056	55245-50*
Viton® O-ring	50	51405058	CP7717-2/222-VI
2-Way Valve Stainless Steel	75	51403057	55245-75*
Viton O-ring	75	51405068	CP7717-2-229-VI

***Note:** O-ring included.

46024

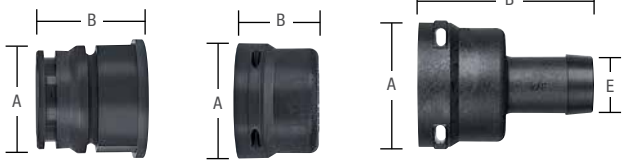
46070

55245-50

55245-75

DIRECTOVALVE® – QUICK CONNECT FITTINGS

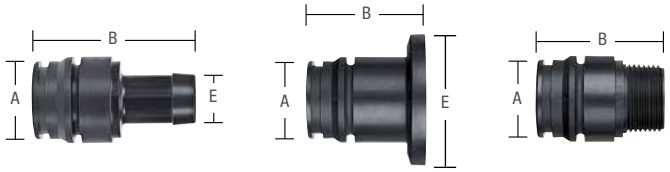
- Standard Quick Connect fittings for use on valves and components equipped with Quick Connect outlets.
- Rated to 300 PSI (20 bar).



QUICK CONNECT STRAIGHT HOSE BARB

DESCRIPTION	SERIES	"A"	"B"	"E"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
1/2" Straight Hose Barb	QC(f)	1-11/16" (43 mm)	2-1/4" (57 mm)	1/2" (12 mm)	51402767	45529-1/2
5/8" Straight Hose Barb				5/8" (15 mm)	51402770	45529-5/8
3/4" Straight Hose Barb				3/4" (19 mm)	51402769	45529-3/4
1" Straight Hose Barb				1" (25 mm)	51402766	45529-1
Quick Connect Cap		1-11/16" (43 mm)	1-1/8" (28 mm)		51402774	45529-C
Quick Connect Plug	QC(m)	1-7/16" (36 mm)	1-5/16" (33 mm)		51402775	45529-P

Note: O-ring and clip included.

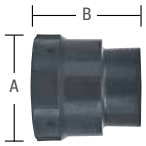


MALE QUICK CONNECT FITTINGS

DESCRIPTION	SERIES	"A"	"B"	"E"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
50-Series Flange	QC(m)	1-5/16" (33 mm)	1-3/16" (46 mm)	2" (51 mm)	51404475	CP46029-PP
3/4" Male Pipe Thread		1-5/16" (33 mm)	2" (51 mm)		51404454	CP45527-NYB
1" Male Pipe Thread					51404453	CP45526-NYB
1" Hose Barb*			2-7/16" (62 mm)	1" (25 mm)	51402579	45529-1M

Note: Items marked with "*" include clip and O-ring.

- Large Quick connect fittings are used exclusively for 430 manifold inlets.
- Rated to 215 PSI (15 bar).



LARGE QUICK CONNECT THREADED FITTING

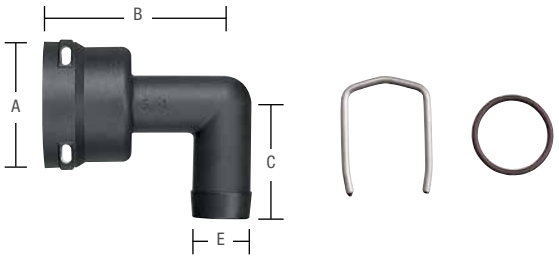
DESCRIPTION	SERIES	"A"	"B"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
1/4" Female Thread (Gauge Port)	Large Quick Connect	2-1/2" (64 mm)	2-1/4" (57 mm)	47752432	58456-1/4
3/4" Female Thread			2-1/2" (64 mm)	51403169	58456-3/4
1" Female Thread				51403161	58456-1
1-1/4" Female Thread				51403165	58456-1-1/4
1-1/2" Female Thread				51403164	58456-1-1/2

Note: O-ring and clip included.

LARGE QUICK CONNECT CAP FITTING

DESCRIPTION	SERIES	"A"	"B"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
Cap Fitting	Large Quick Connect	2-1/2" (64 mm)	1-5/8" (41 mm)	51403162	58456-C

Note: O-ring and clip included.



90° QUICK CONNECT HOSE BARB

DESCRIPTION	SERIES	"A"	"B"	"C"	"E"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
1/2" 90° Hose Barb	QC(f)	1-11/16" (43 mm)	2-19/64" (58 mm)	1-5/8" (41 mm)	1/2" (12 mm)	51402580	45529-90-1/2
3/4" 90° Hose Barb					3/4" (19 mm)	51402581	45529-90-3/4
1" 90° Hose Barb					1" (25 mm)	51402771	45529-90-1

Note: O-ring and clip included.

CLIP AND O-RING

DESCRIPTION	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
Retaining Clip 302SS	51404304	CP37166-1-302SS
O-Ring (Viton®)	47753812	CP7717-3-912-VI

LARGE QUICK CONNECT STRAIGHT HOSE BARB FITTING

DESCRIPTION	SERIES	"A"	"B"	"E"	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
1" Straight Hose Barb	Large Quick Connect	2-1/2" (64 mm)	3-1/4" (83 mm)	1" (25 mm)	51403163	58456-1000
1¼" Straight Hose Barb				1-1/4" (32 mm)	51403166	58456-1250
1½" Straight Hose Barb			3-1/2" (89 mm)	1-1/2" (38 mm)	51403167	58456-1500
2" Straight Hose Barb			4" (102 mm)	2" (51 mm)	51403168	58456-2000

Note: O-ring and clip included.

CLIP AND O-RING

DESCRIPTION	CNH INDUSTRIAL PART NO.	TEE JET PART NO.
Retaining Clip 302SS	51404829	CP58439-302SS
O-Ring (Viton®)	51405084	CP7717-M40X4-VI

DIRECTOVALVE® – 2-WAY ELECTRICALLY OPERATED SOLENOID VALVES

AA144P-, AA144A-, AA145H-, DIRECTOVALVE CONTROL VALVES

- Direct acting; large internal flow chamber without pilot hole reduces chance of clogging.
- Stainless steel wetted parts provide additional corrosion resistance.
- Operate on 12 VDC system.
- Maximum pressure of 100 PSI (7 bar).
- Encapsulated solenoid coil can be changed without removing valve from system.
- EPDM diaphragms and seat washers, Viton® optional.
- Continuous flow through bypass connection, with flow to spray line controlled by valve "on-off" action.

51403543 (CNH Industrial)
AA144P (TeeJet)

51403547 (CNH Industrial)
AA144P-3 (TeeJet)
(Three Unit)

AA144P DIRECTOVALVE CONTROL VALVES

- Flow Rate: 10 GPM (38 l/min) at 5 PSI (0.34 bar) pressure drop, 14 GPM (53 l/min) at 10 PSI (0.69 bar) pressure drop.
- 2.5 amp current draw.
- Polypropylene body for chemical resistance.
- Fabric reinforced Viton diaphragms and seat washers.
- No stroke adjustment required.
- Corrosion resistant, 430SS solenoid grade armature and armature stop.
- Encapsulated coil and magnetic circuit.

HOW TO ORDER:

To order, specify AA144P- then "1", "2" or "3" to indicate number of units.

Example: AA144P-3

CNH INDUSTRIAL MODEL NUMBER	TEEJET MODEL NUMBER	INLET SIZE	OUTLET SIZE	CURRENT DRAW
51403543 51403545 51403547	AA144P-1 AA144P-2 AA144P-3	3/4"	1/2"	2.5 Amp

51403532 (CNH Industrial)
AA144A-1 (TeeJet)

AA144A VALVE FOR PRESSURES UP TO 100 PSI (7 BAR)

- Flow Rate: 10 GPM (38 l/min) at 5 PSI (0.34 bar) pressure drop, 14 GPM (53 l/min) at 10 PSI (0.69 bar) pressure drop.
- Can be ganged with other 144A DirectoValve control valves.
- 2.5 amp current draw.
- Polypropylene body for chemical resistance.
- Fabric reinforced diaphragms.
- Also available as 2- or 3-unit assembly.

HOW TO ORDER:

To order, specify AA144A- then "1", "2" or "3" to indicate number of units.

Example: AA144A-3

51403538 (CNH Industrial)
AA144A-3 (TeeJet)
(Three Unit)

CNH INDUSTRIAL MODEL NUMBER	TEEJET MODEL NUMBER	INLET SIZE	OUTLET SIZE	CURRENT DRAW
51403532 51403536 51403538	AA144A-1 AA144A-2 AA144A-3	3/4"	1/2"	2.5 Amp

AA145H CONTROL VALVES

- Flow Rate: 15 GPM (57 l/min) at 5 PSI (0.34 bar) pressure drop, 21 GPM (79 l/min) at 10 PSI (0.69 bar) pressure drop.
- Can be ganged with other 145H DirectoValve control valves.
- 2.9 amp current draw.
- Fiberglass reinforced Nylon body.

HOW TO ORDER:

Specify part number.
Example: AA145H-1

51403538 (CNH Industrial)
AA145H (TeeJet)

CNH INDUSTRIAL MODEL NUMBER	TEEJET MODEL NUMBER	INLET SIZE	OUTLET SIZE	CURRENT DRAW
51403549	AA145H-1	1"	1"	2.9 Amp

DIRECTOVALVE® – 3-WAY ELECTRICALLY OPERATED SOLENOID VALVES

51403544 (CNH Industrial)
AA144P-1-3 (TeeJet)

AA144P-1-3 DIRECTOVALVE CONTROL VALVES

The 144P-1-3 three-way solenoid-operated DirectoValve control valve was specifically designed to provide bypass control in spraying applications. When used with part number 23520-PP throttling valve or a 4916 metering orifice plate in the bypass line, it can provide for a constant pressure spray system.

- For pressure to 65 PSI (4.5 bar).
- Flow Rate: 8 GPM (30 l/min) at 5 PSI (0.34 bar) pressure drop, 11 GPM (42 l/min) at 10 PSI (0.69 bar) pressure drop.
- Fabric-reinforced Viton® diaphragms.
- Nylon encapsulated 12 VDC coil with 1/4" Quick Connect terminals.
- Power requirement 2.5 amp.
- Glass-filled polypropylene (black) valve body.
- Internal metal parts are stainless steel.
- No stroke adjustment needed.
- Corrosion resistant, 430SS solenoid grade armature and armature stop.

HOW TO ORDER:

Specify part number.

Example: AA144P-1-3

Note: 23520 Throttling Valve not included.
See page 104 for more information.

51403548
(CNH Industrial)
AA144P-3-3
(TeeJet)
(Three Unit)

AA144A-1-3 DIRECTOVALVE CONTROL VALVES

The three-way solenoid-operated DirectoValve control valve bypasses boom flow to maintain constant spraying pressure when one or more boom sections are shut off. To maintain pressure with a 23520 Throttling Valve, Outlet 2 must be throttled to match the total capacity of the nozzles on that boom section.

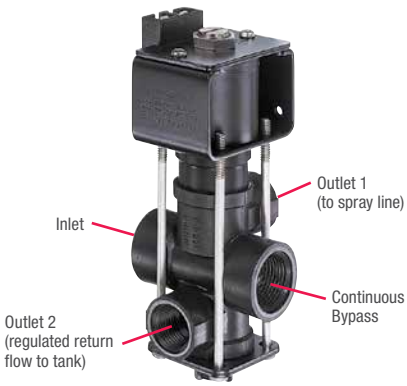
- For pressures to 65 PSI (4.5 bar).
- Flow Rate: 8 GPM (30 l/min) at 5 PSI (0.34 bar) pressure drop, 11 GPM (42 l/min) at 10 PSI (0.69 bar) pressure drop
- 2.5 amp current draw.
- Encapsulated 12 VDC coil can be easily changed without removing valve from line.
- Polypropylene body for chemical resistance.
- Stainless steel internal metal parts.
- Chemical resistant EPDM diaphragms and seat washers.

HOW TO ORDER:

As with the 144A DirectoValve, the 144A-1-3 can be supplied as a 2-unit and 3-unit assembly. When ordering, specify 144A-2-3 or 144A-3-3.

Note: 23520 Throttling Valve not included.
See page 104 for more information.

51403539 (CNH Industrial)
AA144A-3-3 (TeeJet)
(Three Unit)



51403533 (CNH Industrial)
AA144A-1-3 (TeeJet)

CNH INDUSTRIAL MODEL NUMBER	TEEJET MODEL NUMBER	NUMBER OF UNITS IN ASSEMBLY	SPRAY LINE CONNECTION	CONTINUOUS FLOW INLET BYPASS CONNECTION
51403544	AA144P-1-3	1	1/2"	3/4"
51403546	AA144P-2-3	2	1/2"	3/4"
51403548	AA144P-3-3	3	1/2"	3/4"
51403533	AA144A-1-3	1	1/2"	3/4"
51403539	AA144A-3-3	3	1/2"	3/4"

DIRECTOVALVE® – 340 SERIES 2-WAY MANUAL SHUTOFF BALL VALVES

51403583 (CNH Industrial)
AA344M-NYB (TeeJet)

344M-NYB
2-WAY NYLON MANUAL BALL VALVES

- Quarter turn of handle from shutoff to full flow.
- ¾" or 1" NPT and BSPT (F) connection.
- Wetted parts: Nylon, Teflon®, polypropylene and Viton®.

HOW TO ORDER:

Specify valve number.
Example: AA344M-2-1

AA344M-NYB

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
51403583	AA344M-2-3/4	300 PSI (20 bar)	1	3/4"
51403581	AA344M-2-1		1	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 32 GPM (121 l/min) flow.

51403578 (CNH Industrial)
AA343M-PP (TeeJet)

340M-PP SERIES
2-WAY MANUAL BALL VALVES

- Quarter turn of handle from shutoff to full flow.
- 3/8", ½", ¾", 1", 1¼" or 1½" NPT and BSPT (F) connection.
- Wetted parts: glass-reinforced polypropylene, Teflon and Viton.

HOW TO ORDER:

Specify valve number.
Example: AA343M-2-3/8-PP

AA343M-PP

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
51403578	AA343M-2-3/8-PP	150 PSI (10 BAR)	1	3/8"
51403577	AA343M-2-1/2-PP		1	1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 11 GPM (42 l/min) flow.

51403584 (CNH Industrial)
AA344M-PP (TeeJet)

HOW TO ORDER:

Specify valve number.
Example: AA344M-2-3/4-PP

AA344M-PP

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
51403584	AA344M-2-3/4-PP	125 PSI (9 BAR)	1	3/4"
51403582	AA344M-2-1-PP		1	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 32 GPM (121 l/min) flow.

51403594 (CNH Industrial)
AA346M-PP (TeeJet)

HOW TO ORDER:

Specify valve number.
Example: AA346M-2-1-1/4-PP

AA346M-PP

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
51403594	AA346M-2-1-1/4-PP	125 PSI (9 BAR)	1	1-1/4"
51403593	AA346M-2-1-1/2-PP		1	1-1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 100 GPM (379 l/min) flow.

DIRECTOVALVE® – 340 SERIES 3-WAY MANUAL BYPASS BALL VALVES

5143590 (CNH Industrial)
AA344M-NYB (TeeJet)

344M-NYB
3-WAY NYLON MANUAL BALL VALVES

- 3-way version diverts flow to either outlet; no shutoff.
- ¾" or 1" NPT and BSPT (F) connection.
- Wetted parts: Nylon, virgin Teflon®, polypropylene and Viton®.

HOW TO ORDER:

Specify valve number.
Example: AA344M-3-1

AA344M-NYB

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
51403590	AA344M-3-3/4	300 PSI (20 bar)	2	3/4"
51403588	AA344M-3-1		2	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 24 GPM (91 l/min) flow.

5143580 (CNH Industrial)
AA343M-PP (TeeJet)

340M-PP SERIES
3-WAY MANUAL BALL VALVES

- 3-way version diverts flow to either outlet; no shutoff.
- 3/8", ½", ¾", 1", 1¼" or 1½" NPT and BSPT (F) connection.
- Wetted parts: glass-reinforced polypropylene, virgin Teflon and Viton.

HOW TO ORDER:

Specify valve number.
Example: AA343M-3-3/8-PP

AA343M-PP

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
51403580	AA343M-3-3/8-PP	150 PSI (10 BAR)	2	3/8"
51403579	AA343M-3-1/2-PP		2	1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 8 GPM (30 l/min) flow.

51403591 (CNH Industrial)
AA344M-PP (TeeJet)

HOW TO ORDER:

Specify valve number.
Example: AA344M-3-3/4-PP

AA344M-PP

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
51403591	AA344M-3-3/4-PP	125 PSI (9 BAR)	2	3/4"
51403589	AA344M-3-1-PP		2	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 24 GPM (91 l/min) flow.

51403597 (CNH Industrial)
AA346M-PP (TeeJet)

HOW TO ORDER:

Specify valve number.
Example: AA346M-3-1-1/4-PP

AA346M-PP

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
84341692	AA346M-3-1-1/4-PP	125 PSI (9 BAR)	2	1-1/4"
51403597	AA346M-3-1-1/2-PP		2	1-1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 64 GPM (242 l/min) flow.

DIRECTOVALVE® – MANUAL PRESSURE RELIEF/REGULATING VALVES

PISTON-TYPE PRESSURE RELIEF/REGULATING VALVES

Bypasses excess liquid. Adjustable to maintain control of line pressure at any pressure within the valve's operating range. Selected pressure setting firmly held in place by locknut. Extra large valve passages to handle large flows.

Model 23120

MODEL 23120

- 302 stainless steel spring and EPDM O-ring.
- Excellent chemical resistance.
- ¼" port for pressure gauge pipe plug included.

MODEL 23120A

- Same as 23120 but with 316SS spring and Viton® O-ring.

HOW TO ORDER:

Specify valve number.
Example: 23120-1/2-PP

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	INLET & PIPE CONNECTIONS	MATERIAL	PRESSURE RANGE
51402186 51402189	23120-1/2-PP 23120-3/4-PP	1/2" or 3/4"	Polypropylene	150 PSI (10 bar)
51402192 51402193	23120A-1/2-PP 23120A-3/4-PP	1/2" or 3/4"	Polypropylene	150 PSI (10 bar)
51402187 51402190	23120-1/2-PP-60 23120-3/4-PP-60	1/2" or 3/4"	Polypropylene	60 PSI (4 bar)
51402188 51402191	23120-1/2-PP-60-VI 23120-3/4-PP-60-VI	1/2" or 3/4"	Polypropylene/Viton®	60 PSI (4 bar)

Model 6815

MODEL 6815

- Other models for high pressures up to 1,200 PSI (82 bar) are also available.
- Brass also available with hardened stainless steel seat.

HOW TO ORDER:

Specify valve number.
Example: 6815-1/2-50

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	INLET & PIPE CONNECTIONS	MATERIAL	PRESSURE RANGE
51403232 51403238	6815-1/2-50 6815-3/4-50	1/2" or 3/4"	Brass or Aluminum	50 PSI (3.5 bar)
51403231 51403237	6815-1/2-300 6815-3/4-300	1/2" or 3/4"	Brass or Aluminum	300 PSI (20 bar)
51403233 51403239	6815-1/2-700 6815-3/4-700	1/2" or 3/4"	Brass or Aluminum	700 PSI (48 bar)

Model 110-1/4 and 110-3/8

Model 110-1, 110-1-1/4 and 110-1-1/2

MODEL 110

- Removable bonnet for servicing unit without removing valve from line.

HOW TO ORDER:

Specify valve number. Example: AA110-1/4-300

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	INLET & PIPE CONNECTIONS	MATERIAL	PRESSURE RANGE
51403346 51403362	AA110-1/4-300 AA110-3/8-300	1/4" or 3/8"	Brass	300 PSI (20 bar)
51403348 51403364	AA110-1/4-700 AA110-3/8-700	1/4" or 3/8"	Brass	700 PSI (48 bar)
51403343	AA110-1	1"	Brass, Aluminum or Ductile Iron	150 PSI (10 bar)
51403355	AA110-1-1/4	1-1/4"	Brass, Aluminum or Ductile Iron	150 PSI (10 bar)
51403352	AA110-1-1/2	1-1/2"	Brass, Aluminum or Ductile Iron	150 PSI (10 bar)

Model 8460

MODEL 8460 DIAPHRAGM-TYPE PRESSURE RELIEF/REGULATING VALVES

- Flow rate to 56 GPM (212 l/min) for ½" and 70 GPM (265 l/min) for ¾".
- 8460-*-50 uses stainless steel springs while 8460-* uses steel springs—responsive to the pressure range of each valve.
- Extra large valve passages to handle full flow from supply line.
- Positive locknut to hold adjustment screw firmly in place. Not affected by jarring and vibration.

CNH INDUSTRIAL VALVE NO.	TEEJET VALVE NO.	INLET & PIPE CONNECTIONS	MATERIAL		PRESSURE RANGE
			INLET BODY	BONNET	
51403311 51403312 51403314 51403315	8460-1/2-50 8460-1/2-50-VI 8460-3/4-50 8460-3/4-50-VI	1/2" or 3/4"	Nylon	Aluminum	50 PSI (3.5 bar)
51403313 51403316	8460-1/2-VI 8460-3/4-VI	1/2" or 3/4"	Nylon	Aluminum	300 PSI (20 bar)

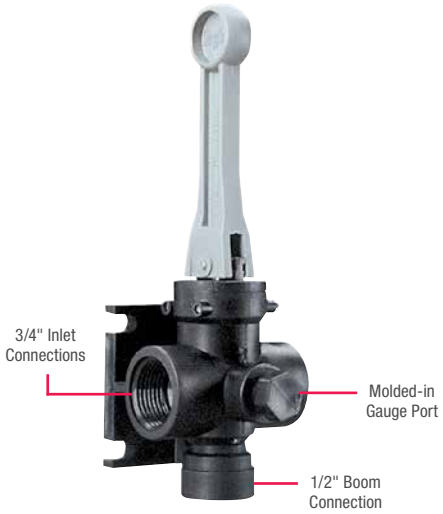
DIRECTOVALVE® — MANUAL CONTROL VALVE

MODEL 6B

- Molded of corrosion resistant materials; all wetted parts are polypropylene, stainless steel and polyethylene.
- Maximum pressure of 150 PSI (10 bar).
- Flow Rate: 12 GPM (47 l/min) at 5 PSI (0.34 bar) pressure drop, 17 GPM (64 l/min) at 10 PSI (0.69 bar) pressure drop.
- Molded-in mounting flange and ¼" NPT gauge port.
- Valves can be ganged together using hex nipple for multiple boom control.
- Easily repaired without removing valve from spray line.

HOW TO ORDER:

Example: AA6B



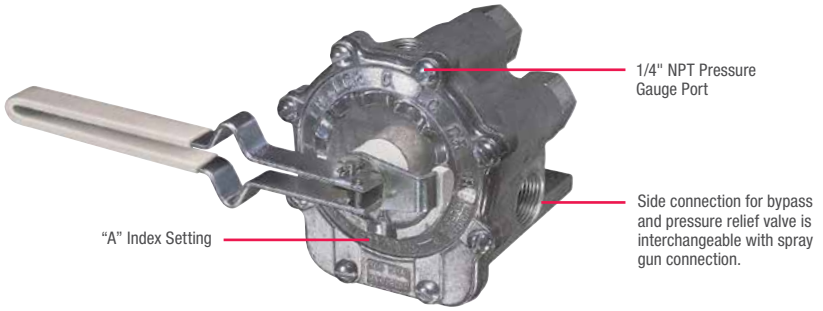
TEEVALVE® — CONTROL VALVES

FOR SELECTIVE CONTROL OF THREE-SECTION BOOM SPRAYERS AT PRESSURES UP TO 300 PSI (20 BAR).

- Use to open any of three boom section lines in any desired combination.
- Raise lever to open, lower lever to close the valve without changing the indexed position.
- Aluminum construction with stainless steel and plastic internal parts for maximum corrosion resistance.

HOW TO ORDER:

Example: AA17Y



MODEL AA17

CNH INDUSTRIAL MODEL NO.	TEEJET MODEL NO.	MATERIAL	MAXIMUM PRESSURE	INLET	(3) BOOM OUTLETS	ACCESSORY OUTLET
51403552	AA17Y	Aluminum, Polymer, SS	300 PSI (20 bar)	1" NPT	3/4" (F)	3/4" (F)
51403551	AA17L	Aluminum, Polymer, SS	300 PSI (20 bar)	3/4" NPT	3/4" (F)	3/4" (F)

TEEJET® — THROTTLING VALVES

For regulating flow in systems equipped with centrifugal pumps where sensitive regulation is required or to control flow in jet agitator return lines. Locknut holds pressure setting firmly in place.

TYPE 23520

- Polypropylene construction for excellent chemical resistance.
- Pressures to 150 PSI (10 bar).
- ½" and ¾" NPT or BSPT connections.
- Flow rate at 40 PSI (3 bar) is 16 GPM (63 l/min) for ½" size and 34 GPM (136 l/min) for ¾" size.

HOW TO ORDER:

Example: 23520-1/2-PP

TYPE 12690

- Pressures to 125 PSI (9 bar).
- Constructed of Nylon, Celcon®, aluminum, steel and stainless steel.
- Choice of ½" or ¾" NPT connections.
- Flow rate at 40 PSI (3 bar) is 36 GPM (142 l/min) for ½" size and 52 GPM (205 l/min) for ¾" size.

HOW TO ORDER:

Example: 12690-1/2-NYB

TYPE 12795

- Pressures to 150 PSI (10 bar).
- Available in brass, aluminum or ductile iron.
- Choice of 1", 1¼" or 1½" NPT connections.
- Flow rate at 40 PSI (3 bar) is 116 GPM (453 l/min) for 1" and 1¼" sizes and 172 GPM (679 l/min) for 1½" size.

HOW TO ORDER:

Example: 12795-1

TEEJET® – TIP STRAINERS

TEEJET STRAINERS

Strainers protect spray tip orifices from clogging and damage. Stainless steel screens are available in 24, 50, 80, 100 and 200 mesh. 19845 tip strainers are available in 25 and 50 mesh only.

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	STRAINER BODY AND CAP MATERIAL	MESH SCREEN MATERIAL
51402965 51402975 51402976 51402963 51402964	5053-24-SS 5053-50-SS 5053-80-SS 5053-100-SS 5053-200-SS	Brass	Stainless Steel
51403278 51403279 51403280 51403276 51403277	8079-PP-24 8079-PP-50 8079-PP-80 8079-PP-100 8079-PP-200	Polypropylene	Stainless Steel
51402117 51402118	19845-25-PP 19845-50-PP	Polypropylene	Polypropylene

*Specify mesh size when ordering.

5053

8079

6051

19845-PP

MESH SIZE
16
24
25
50
80
100
200

TEEJET SLOTTED STRAINERS

One-piece strainers for use with liquids containing suspended solids.

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	AVAILABLE MATERIAL	EQUIVALENT TO MESH SIZE	COLOR CODE (NYLON VERSIONS ONLY)
51402665 51402669	4514-10 4514-NY-10	Brass or Nylon	50	
51402666 51402670	4514-20 4514-NY-20	Brass, Aluminum or Nylon	25	
51402667 51402671	4514-32 4514-NY-32	Brass, Aluminum or Nylon	16	

*Above numbers for brass. For Nylon add “NY”. For aluminum add “AL”.

55215 SELF-RETAINING TIP STRAINER

FEATURES:

- For Use with Quick TeeJet® caps.
- Allows tip strainer to be easily removed from nozzle body for cleaning.
- 50 or 100 mesh color-coded strainer with optional EPDM or Viton® gasket.

HOW TO ORDER:

Example: 55215-50-EPR, EPDM gasket
55215-50-VI, Viton gasket

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	MESH
51403047 51403048	55215-50-*EPR 55215-50-*VI	50
51403045 51403046	55215-100-*EPR 55215-100-*VI	100

*Identify gasket material.

TEEJET® – TIP STRAINERS

4193A TEEJET STRAINER AND CHECK VALVE

Minimizes nozzle dripping; fits all TeeJet nozzles. Ball check opens at 5 PSI (0.34 bar). Recommended for flow rates up to 0.8 GPM (3 l/min). 24, 50, 100 and 200 mesh screens. Not for use with AI or DG tips.

Note: Use of these ball check valves results in a pressure drop of 5 PSI (0.34 bar) to 10 PSI (0.7 bar) depending on spring rating.

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	BODY AND CAP SCREW MATERIAL	MESH SCREEN MATERIAL	BALL MATERIAL
51402517	4193A-10-24SS	Brass	Stainless Steel	Stainless Steel
51402518	4193A-10-50SS			
51402515	4193A-10-100SS			
51402516	4193A-10-200SS			
51402519	4193A-10-80SS			
51402521	4193A-20-50SS			
51402520	4193A-20-100SS			
51402523	4193A-40-24SS			
51402524	4193A-40-50SS			
51402522	4193A-40-100SS			
51402527	4193A-5-24SS			
51402528	4193A-5-50SS			
51402529	4193A-5-80SS			
51402525	4193A-5-100SS			
51402526	4193A-5-200SS			
51402557	4193A-SS-10-50SS	Stainless Steel	Stainless Steel	Stainless Steel
51402556	4193A-SS-10-100SS			
51402558	4193A-SS-20-100SS			
51402559	4193A-SS-40-50SS			
51402562	4193A-SS-5-24SS			
51402563	4193A-SS-5-50SS			
51402560	4193A-SS-5-100SS			
51402561	4193A-SS-5-200SS			

*When ordering, specify spring rating and screen mesh size.

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	BODY AND CAP SCREW MATERIAL	MESH SCREEN MATERIAL	BALL MATERIAL
51402532	4193A-PP-10-24SS	Polypropylene	Stainless Steel	Viton
51402533	4193A-PP-10-50SS			
51402534	4193A-PP-10-80SS			
51402530	4193A-PP-10-100SS			
51402531	4193A-PP-10-200SS			
51402535	4193A-PP-10-SS-100SS			
51402536	4193A-PP-10-SS-200SS			
51402539	4193A-PP-20-24SS			
51402540	4193A-PP-20-50SS			
51402537	4193A-PP-20-100SS			
51402538	4193A-PP-20-200SS			
51402541	4193A-PP-2-24SS			
51402542	4193A-PP-2-50SS			
51402545	4193A-PP-40-24SS			
51402546	4193A-PP-40-50SS			
51402543	4193A-PP-40-100SS			
51402544	4193A-PP-40-200SS			
51402549	4193A-PP-5-24SS			
51402550	4193A-PP-5-50SS			
51402551	4193A-PP-5-80SS			
51402547	4193A-PP-5-100SS			
51402548	4193A-PP-5-200SS			
51402554	4193A-PP-5-SS-24SS	Polypropylene	Stainless Steel	Stainless Steel
51402555	4193A-PP-5-SS-50SS			
51402552	4193A-PP-5-SS-100SS			
51402553	4193A-PP-5-SS-200SS			

TEEJET® — LINE STRAINERS

The AA122 line strainer features a compact size that is well suited for small agricultural and turf sprayers. The AA122 is constructed of polypropylene head and bowl with stainless steel screen for excellent chemical resistance and is available with ½" or ¾" (F) NPT pipe connections. The maximum pressure rating is 150 PSI (10 bar). A Quick Connect version of the 122 is also available for easy installation on valves/manifolds equipped with Quick Connect outlets. The maximum pressure rating for this version is 215 PSI (15 bar).

AA122ML-QC
Compact
Liquid Strainer

AA122-PP
Compact
Liquid Strainer

37270-122-PP
Flush-Out Strainer

23174 **45102**

37270-122-PP
The screen may be periodically flushed by opening a valve (valve not included) in flush-out line.

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	PIPE CONN.	APPROXIMATE FLOW RATE WITH 5 PSI (0.34 bar) PRESSURE DROP IN GPM (l/min)
51403373 51403375 51403376 51403377 51403372 51403374	AA122-1/2-PP-16 AA122-1/2-PP-30 AA122-1/2-PP-50 AA122-1/2-PP-80 AA122-1/2-PP-100 AA122-1/2-PP-200	1/2"	12 (45)
51403379 51403381 51403382 51403383 51403378 51403380	AA122-3/4-PP-16 AA122-3/4-PP-30 AA122-3/4-PP-50 AA122-3/4-PP-80 AA122-3/4-PP-100 AA122-3/4-PP-200	3/4"	16 (60)
51403385 51403386 51403387 51403388 51403384	AA122ML-1/2-PP-16 AA122ML-1/2-PP-30 AA122ML-1/2-PP-50 AA122ML-1/2-PP-80 AA122ML-1/2-PP-100	1/2"	12 (45)
51403390 51403392 51403393 51403394 51403389 51403391	AA122ML-3/4-PP-16 AA122ML-3/4-PP-30 AA122ML-3/4-PP-50 AA122ML-3/4-PP-80 AA122ML-3/4-PP-100 AA122ML-3/4-PP-200	3/4"	16 (60)

SCREEN		
MESH SIZE	CNH INDUSTRIAL PART NO.	TEEJET PART NO.
16	51404105	CP23174-1-304SS
30	51404106	CP23174-2-304SS
50	51404413	CP45102-3-SSPP
80	51404414	CP45102-4-SSPP
100	51404415	CP45102-5-SSPP
200	51404107	CP23174-7-304SS

* = Mesh Size
Replacement Head Gasket: CP23173-EPR(-VI) or CP7717-M38x4-VI (for AA122ML-QC only).

TEEJET® – LINE STRAINERS

AA126ML-3 or -4

AA126ML-F50

16903

AA126 FLUSH-OUT LINE STRAINER

FEATURES:

- 200 PSI (14 bar) maximum pressure rating.
- Strainer head and bowl are made of glass-filled polypropylene with EPDM gasket.
- Screens are made of 304SS with color-coded polypropylene frames and are removable for cleaning.
- Removable cap and O-ring for flush-out or self-cleaning operations.
- Integral mounting provision allows the strainer to be attached to machine using M8 or 5/16" diameter bolts.
- Available with ¾", 1" NPT or BSPT (F) threads and 50 series flange fitting connections for easy assembly.
- Uses same screen as the AA124A line strainer.

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	PIPE/FLANGE CONNECTION (F)	FLOW RATE WITH 5 PSI (0.34 bar) PRESSURE DROP	CNH INDUSTRIAL SCREEN NO.	TEEJET SCREEN NO.	MESH SIZE*
51403482 51403483 51403484 51403485 51403481	AA126ML-F50-16 AA126ML-F50-30 AA126ML-F50-50 AA126ML-F50-80 AA126ML-F50-100	50 Series Flange	35 GPM (132 l/min)	51403922	CP16903-1-SSPP	16
				51403924	CP16903-3-SSPP	30
51403453 51403456 51403457 51403458 51403455	AA126ML-3-16 AA126ML-3-30 AA126ML-3-50 AA126ML-3-80 AA126ML-3-200	3/4"	23 GPM (87 l/min)	51403925	CP16903-4-SSPP	50
				51403926	CP16903-5-SSPP	80
51403460 51403463 51403464 51403466 51403459 51403462	AA126ML-4-16 AA126ML-4-30 AA126ML-4-50 AA126ML-4-80 AA126ML-4-100 AA126ML-4-200	1"	35 GPM (132 l/min)	51403927	CP16903-6-SSPP	100
				51403928	CP16903-7-SSPP	200

Replacement Head Gasket: CP50494-EPR(-VI)

TEEJET® — LINE STRAINERS

AA126ML-F75

AA126ML-5 or -6

15941

AA126 FLUSH-OUT LINE STRAINER

FEATURES:

- 200 PSI (14 bar) maximum pressure rating.
- Strainer head and bowl are made of glass-filled polypropylene with EPDM gasket.
- Screens are made of 304SS with color-coded polypropylene frames and are removable for cleaning.
- Removable cap and gasket for flush-out or self-cleaning operations.
- Integral mounting provision allows the strainer to be attached to machine using M10 or 3/8" diameter bolts.
- Available with 1¼", 1½" NPT or BSPT (F) threads and 75 series flange fitting connections for easy assembly. For information on flange fittings see pages 102 and 103.
- Uses same screen as the AA124 line strainer.

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	PIPE/FLANGE CONNECTION (F)	FLOW RATE WITH 5 PSI (0.34 BAR) PRESSURE DROP	CNH INDUSTRIAL SCREEN NO.	TEEJET SCREEN NO.	MESH SIZE*
51403488 51403489 51403490 51403491 51403486 51403487	AA126ML-F75-16 AA126ML-F75-30 AA126ML-F75-50 AA126ML-F75-80 AA126ML-F75-100 AA126ML-F75-200	75 Series Flange	77 GPM (291 l/min)	51403910	CP15941-1-SSPP	16
				51403911	CP15941-2-SSPP	30
51403469 51403471 51403472 51403474 51403467 51403468	AA126ML-5-16 AA126ML-5-30 AA126ML-5-50 AA126ML-5-80 AA126ML-5-100 AA126ML-5-120	1-1/4"	59 GPM (223 l/min)	51403912	CP15941-3-SSPP	50
				51403913	CP15941-4-SSPP	80
51403477 51403478 51403479 51403480 51403475 51403476	AA126ML-6-16 AA126ML-6-30 AA126ML-6-50 AA126ML-6-80 AA126ML-6-100 AA126ML-6-120	1-1/2"	77 GPM (291 l/min)	51403914	CP15941-5-SSPP	100
				51403915	CP15941-6-SSPP	120

Replacement Head Gasket: CP48656-EPR(-VI)

TEEJET® – LINE STRAINERS

SELF-CLEANING LINE STRAINERS

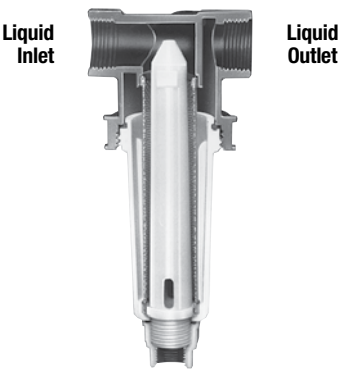
The TeeJet self-cleaning strainer extends your spraying time with a self-cleaning feature that minimizes clogging. Mounted on the discharge side of the pump, the strainer uses excess pump flow to bypass clogging particles back to the spray tank.

The tapered inner cylinder inside the entire length of the screen provides a gap between the screen face and the cylinder. This gap causes the inlet fluid to flow at a high velocity past the screen face providing for a continuous wash down of particles to the bypass line. In order for the wash down to occur, a minimum flow rate of 6 GPM (23 l/min) for ¾" and 1" sizes and 8 GPM (30 l/min) for 1¼" and 1½" sizes is required through the bypass line.

- Available with or without mounting lugs.
- AA126 strainers are made of glass filled polypropylene and are available in ¾", 1", 1¼", 1½" (F) NPT or BSPT thread as well as 50 and 75 series flange connection.
- AA124 strainers are made of an aluminum head with a nylon bowl and are available in ¾", 1", 1¼", 1½" (F) NPT or BSPT thread.
- Both use an all stainless steel strainer element.
- Strainers with mounting lugs are designated by "ML".

AA126MLSC
(Glass-filled Polypropylene)

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	PIPE CONN.	BYPASS PIPE CONN.	MATERIAL		MAX. PRESSURE PSI (bar)	MIN. BYPASS REQUIRED GPM (l/min)
				HEAD	BOWL		
51403498 51403500 51403501 51403502 51403497 51403499	AA126MLSC-3-16 AA126MLSC-3-30 AA126MLSC-3-50 AA126MLSC-3-80 AA126MLSC-3-100 AA126MLSC-3-200	3/4" (F)	1/2" (F)	Polypropylene		200 (14)	6 (23)
				Aluminum	Nylon	150 (10)	
51403504 51403507 51403508 51403506	AA126MLSC-4-16 AA126MLSC-4-50 AA126MLSC-4-80 AA126MLSC-4-200	1" (F)		Polypropylene		200 (14)	



Bypass

High velocity of liquid stream between cylinder and screen provides continuous wash down of particles to bypass line.

SCREEN		
MESH	CNH INDUSTRIAL PART NO.	TEEJET PART NO.
16	51403793	CP12285-1-SS
30	51403796	CP12285-4-SS
50	51403794	CP12285-2-SS
80	51403795	CP12285-3-SS
100	51403798	CP12285-6-SS
16	51403808	CP12290-1-SS
30	51403809	CP12290-2-SS
50	51403810	CP12290-3-SS
80	51403811	CP12290-4-SS
100	51403815	CP12290-8-SS

12285 **12290**

HOW TO ORDER:

Specify strainer number.
Example: AA126ML-4SC-50

To order screen only, specify screen number.
Example: CP12285-1-SS

TEEJET® – LINE STRAINERS

Strainer heads are available in polypropylene, Nylon, aluminum and cast iron. Bowl materials include polypropylene or Nylon. Each strainer includes stainless steel screen (with polypropylene frames on ¾" to 1½" pipe sizes). Maximum temperatures up to 38°C/100°F. Viton® O-ring seal supplied with ¾" and 1" Nylon models; EPDM supplied with ¾" and 1" polypropylene models; Buna-N gaskets supplied with 1¼" and 1½" sizes. Viton optional.

AA124A-AL

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	PIPE CONN.	APPROXIMATE FLOW RATE WITH 5 PSI (0.34 bar) PRESSURE DROP IN GPM (l/min)	PRESSURE RATING PSI (bar)	SCREEN		
					MESH SIZE	CNH INDUSTRIAL PART NO.	TEEJET PART NO.
51403441 51403443 51403444 51403445 51403440 51403442	AA124A-3/4-AL-16 AA124A-3/4-AL-30 AA124A-3/4-AL-50 AA124A-3/4-AL-80 AA124A-3/4-AL-100 AA124A-3/4-AL-200	3/4"	23 (87)	150 (10)	16	51403922	CP16903-1-SSPP
					20	51403923	CP16903-2-SSPP
					30	51403924	CP16903-3-SSPP
					50	51403925	CP16903-4-SSPP
51403430 51403432 51403433 51403434 51403429 51403431	AA124A-1-AL-16 AA124A-1-AL-30 AA124A-1-AL-50 AA124A-1-AL-80 AA124A-1-AL-100 AA124A-1-AL-200	1"	34 (129)		80	51403926	CP16903-5-SSPP
					100	51403927	CP16903-6-SSPP
					200	51403928	CP16903-7-SSPP

16903

AA124-AL

CNH INDUSTRIAL STRAINER NO.	TEEJET STRAINER NO.	PIPE CONN.	APPROXIMATE FLOW RATE WITH 5 PSI (0.34 bar) PRESSURE DROP IN GPM (l/min)	PRESSURE RATING PSI (bar)	SCREEN		
					MESH SIZE	CNH INDUSTRIAL PART NO.	TEEJET PART NO.
51403409 51403410 51403411 51403412 51403408	AA124-1-1/4-AL-16 AA124-1-1/4-AL-30 AA124-1-1/4-AL-50 AA124-1-1/4-AL-80 AA124-1-1/4-AL-100	1-1/4"	60 (230)	150 (10)	16	51403910	CP15941-1-SSPP
					30	51403911	CP15941-2-SSPP
					50	51403912	CP15941-3-SSPP
51403396 51403397 51403398 51403399 51403395	AA124-1-1/2-AL-16 AA124-1-1/2-AL-30 AA124-1-1/2-AL-50 AA124-1-1/2-AL-80 AA124-1-1/2-AL-100	1-1/2"	70 (260)		80	51403913	CP15941-4-SSPP
					100	51403914	CP15941-5-SSPP
					120	51403915	CP15941-6-SSPP
51403425 51403426 51403427 51403428 51403424	AA124-2-AL-16 AA124-2-AL-30 AA124-2-AL-50 AA124-2-AL-80 AA124-2-AL-100	2"	160 (610)		16	51403865	CP14634-1-SS
					30	51403866	CP14634-2-SS
					50	51403867	CP14634-3-SS
51403419 51403420 51403421 51403422	AA124-2-1/2-AL-16 AA124-2-1/2-AL-30 AA124-2-1/2-AL-50 AA124-2-1/2-AL-80	2-1/2"	170 (640)		80	51403868	CP14634-4-SS
					100	51403869	CP14634-8-SS

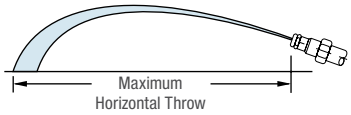
15941 **14634**

GUNJET® – SPRAY GUNS

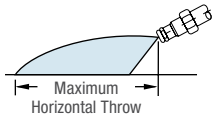
FOR SPOT SPRAYING, TREE SPRAYING, LIVESTOCK SPRAYING AND POWER WASHING AT PRESSURES FROM 30 TO 800 PSI.

To operate spray gun, handle is rotated 360° from shutoff to maximum flow position. As handle is turned, spray changes from initial cone spray through intermediate cone spray to straight stream. Spray tips are interchangeable orifice discs made of corrosion- and erosion-resistant stainless steel.

SETTING "C"
STRAIGHT STREAM SPRAY



SETTING "A"
WIDE ANGLE CONE SPRAY



GUNJET NUMBER AA143

Overall length 22¼", weight 1¼ pounds and only available in aluminum.
Inlets are available with ¾" or GH (Garden Hose) female threads.

CNH INDUSTRIAL GUNJET NO.	TEEJET GUNJET NO.	ORIFICE DISC NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI			
				100 PSI		800 PSI	
				A	C	A	C
51403526	AA143-AL-*-2	D2	Capacity – GPM	.36	.36	1.0	1.0
			Max. Vert. Throw – ft.	—	22	—	26
			Max. Horiz. Throw – ft.	10	33	11	35
51403528	AA143-AL-*-4	D4	Capacity – GPM	.82	.82	2.3	2.3
			Max. Vert. Throw – ft.	—	27	—	32
			Max. Horiz. Throw – ft.	10	36	11	40
51403523, 51403530	AA143-AL-*-6	D6	Capacity – GPM	1.7	1.8	4.9	5.1
			Max. Vert. Throw – ft.	—	33	—	38
			Max. Horiz. Throw – ft.	10	46	11	54
51403531	AA143-AL-*-8	D8	Capacity – GPM	2.8	3.3	8.1	9.4
			Max. Vert. Throw – ft.	—	35.5	—	42
			Max. Horiz. Throw – ft.	10	54	11	60
51403524	AA143-AL-*-10	D10	Capacity – GPM	3.9	4.9	11.2	13.9
			Max. Vert. Throw – ft.	—	37.5	—	44.5
			Max. Horiz. Throw – ft.	10.5	55	12	62

*Inlet size ¾" or GH.

HOW TO ORDER:

Examples: AA143-AL-3/4-6
AA143-AL-GH-6

To order orifice disc only, specify orifice disc number. Example: D2

GUNJET® — SPRAY GUNS

AA43 GUNJET

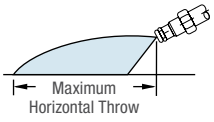
Designed and built for heavy duty service. Stem extends through extension to valve seat located directly behind orifice disc for drip-free shutoff and instant operating response. Convenient trigger-lock for continuous spraying.

- Number AA43L for operating pressures up to 200 PSI.
- Number AA43H for operating pressures up to 800 PSI.
- Trigger handle control: ALL MODELS have ½" NPT or BSPT (F) inlet connections.
- Exposed packing nut for easy adjustment of packing.
- Available in aluminum or brass.

HARDENED STAINLESS STEEL TYPE D ORIFICE DISCS

Choose one of five interchangeable orifice disc capacities. Other sizes may be available upon request. Discs are corrosion- and erosion-resistant.

SETTING "A"
WIDE ANGLE CONE SPRAY

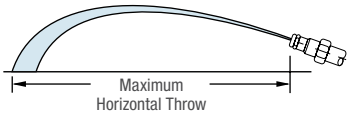


As trigger is drawn back, valve moves from shutoff position to initial wide angle spray, to continuously narrower cone sprays, to final straight stream.

HARDENED STAINLESS STEEL TYPE DX-HSS SPRAY TIPS

For spraying trees and other applications where maximum spray throw is required. Write for Data Sheet 6990.

SETTING "C"
STRAIGHT STREAM SPRAY



Knurled ring behind trigger is adjustable to stop trigger at any desired position.

TYPE 43L & 43H GUNJET SPRAY GUNS

TEEJET MODEL NUMBER	OPERATING PRESSURE RANGE (PSI)	MATERIAL	OVERALL LENGTH (INCHES)
AA43L-AL	Up to 200	Aluminum	22
AA43H-AL	200–800	Aluminum	

TYPE 43A GUNJET SPRAY GUNS

TEEJET MODEL NUMBER	OPERATING PRESSURE RANGE (PSI)	MATERIAL	OVERALL LENGTH (INCHES)
AA43LA-AL	Up to 200	Aluminum	13
AA43HA-AL	200–800	Aluminum	

TYPE 43LC-1/2 & 43HC-1/2 AND GUNJET SPRAY GUNS

Types 43LC-1/2 and 43HC-1/2 have ½" NPT (F) outlet connections. Inlet connections are ½" NPT or BSPT (F).

TEEJET MODEL NUMBER	OPERATING PRESSURE RANGE (PSI)	MATERIAL	OVERALL LENGTH (INCHES)
AA43LC-1/2	Up to 200	Brass	8
AA43HC-1/2	200–800	Brass	

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	ORIFICE DISC NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI									
				40 PSI		100 PSI		200 PSI		400 PSI		800 PSI	
				A	C	A	C	A	C	A	C	A	C
51403646 51403617	AA43L-AL2 AA43H-AL2	D2	Capacity – GPM	.29	.30	.45	.47	.64	.66	.90	.94	1.3	1.3
			Max. Vert. Throw – ft.	—	22	—	22	—	23	—	24	—	26
			Max. Horiz. Throw – ft.	10	32	10	33	10	34	10.5	35	11	35
51403647 51403618	AA43L-AL4 AA43H-AL4	D4	Capacity – GPM	.60	.61	.92	.94	1.3	1.3	1.8	1.9	2.6	2.7
			Max. Vert. Throw – ft.	—	26	—	27	—	28	—	30	—	32
			Max. Horiz. Throw – ft.	10	36	10	36	10.5	37	11	39	11	40
51403649 51403620	AA43L-AL6 AA43H-AL6	D6	Capacity – GPM	1.2	1.3	1.9	2.0	2.7	2.9	3.8	4.1	5.3	5.8
			Max. Vert. Throw – ft.	—	31.5	—	33	—	34.5	—	36.5	—	38
			Max. Horiz. Throw – ft.	10	44	10	45	10.5	46	11	48	11	50
51403650 51403621	AA43L-AL8 AA43H-AL8	D8	Capacity – GPM	2.0	2.5	3.1	3.4	4.4	4.8	6.2	6.8	8.8	9.6
			Max. Vert. Throw – ft.	—	33	—	35.5	—	38	—	40.5	—	42
			Max. Horiz. Throw – ft.	10	45	10	46	10.5	47	11	49	11	51
51403645 51403615	AA43L-AL10 AA43H-AL10	D10	Capacity – GPM	2.6	3.2	4.1	5.0	5.8	7.1	8.2	10	10.2	14.1
			Max. Vert. Throw – ft.	—	35	—	37.5	—	40	—	42.5	—	44.5
			Max. Horiz. Throw – ft.	10	46	10.5	49	11	50	11.5	52	12	54

HOW TO ORDER:

Specify complete GunJet spray gun number and material.
Example: AA43L-AL4 Aluminum

TEEJET® — LAWN SPRAY GUNS

Model 25660

FEATURES:

- Interchangeable nozzle tips are color-coded for easy identification of nozzle tip size.
- Nozzle tips provide a 45° full cone "showerhead" spray pattern.
- Convenient trigger lock for continuous spraying.
- Options available: hose shank swivel for inlet connection and extension wand and adapters for low-volume and spot spraying.
- Maximum operating pressure of 200 PSI (14 bar).
- Made of Nylon with Viton® O-rings and stainless steel springs.

CNH INDUSTRIAL MODEL NO.	TEEJET MODEL NO.	CNH INDUSTRIAL TIP NO.	TEEJET NOZZLE TIP NO.	CAPACITY (GPM) AT VARIOUS PRESSURE*						
				2 PSI	4 PSI	6 PSI	8 PSI	10 PSI	15 PSI	20 PSI
51402288	25660-1.5	51404238	CP25670-1.5-NY	1.4	1.9	2.3	2.6	2.9	3.4	4.0
51402289	25660-3.0	51404239	CP25670-3.0-NYB	2.0	2.7	3.2	3.6	4.1	4.9	5.6
51402290	25660-4.0	51404240	CP25670-4.0-NY	2.3	3.1	3.7	4.3	4.7	5.6	6.4

*Pressure measured at spray nozzle.

25660 TeeJet Lawn Spray Gun

25990 SWIVEL

Allows operator to concentrate on application without hose interference. ¾" (M) NPT connection with ½" hose shank. Maximum pressure 150 PSI (10 bar).

25657-NYB ADAPTER

Replaces shower nozzle to allow extension wand or standard TeeJet tip to be attached directly to lawn spray gun. ¾" (F) GHT inlet with 11/16"–16 TeeJet thread outlet. Maximum pressure 150 PSI (10 bar). See page 118 for adjustable ConeJet® nozzles.

22665 EXTENSION WAND

For low volume and spot spraying applications. Available in both 15" and 24" (38 cm and 61 cm) lengths, the extension fits on 25657-NYB adapter. Maximum pressure 150 PSI (10 bar).

51404084 (CNH INDUSTRIAL) **CP22673-PP** (TEEJET) & **51404080** (CNH INDUSTRIAL) **CP22664-PP** (TEEJET) ADAPTERS

Used for attaching standard TeeJet tips or adjustable ConeJet nozzles. See page 118 for adjustable ConeJet nozzles.

GUNJET® – SPRAY GUNS

PW4000A

The model PW4000A GunJet is a durable high-pressure spray gun that offers comfort and control. Trigger locks into an off position to prevent accidental discharge. The PW4000A operates at up to 4,000 PSI (275 bar) and provides flow rates up to 10 GPM (38 l/min). Liquid temperatures up to 300°F (150°C). Available with ¼" or 3/8" NPT or BSPT inlet and outlet connections.

PW4000AS

The model PW4000AS has the same features as PW4000A except available with a 3/8" NPT or BSPT swivel inlet.

HOW TO ORDER:

Specify model number.
Example: PW4000A –
3/8" inlet and 1/4" outlet
PW4000A-1/4x1/4 –
1/4" inlet and outlet
PW4000A-3/8x3/8 –
3/8" inlet and outlet

CNH INDUSTRIAL PART NO.	TEEJET PART NO.
51403566	AA30A-1/4
51403567	AA30A-1/4-VI

AA30A

Maximum pressure rating of 1,500 PSI (105 bar) with 5 GPM (19 l/min), 200°F (93°C) and ¼" (F) NPT or BSPT inlet thread. Materials including Nylon handles and trigger guards, forged brass valve bodies, Buna-N or Viton® stem seals, Teflon® valve seats and stainless steel working parts mean long, productive equipment life.

HOW TO ORDER:

Specify model number.
Example: AA30A-1/4

51403576 (CNH INDUSTRIAL) AA30L-PP (GUNJET)

This new version of the standard AA30L GunJet spray gun is constructed of polypropylene for excellent corrosion resistance. The maximum pressure rating is 150 PSI (10 bar) with flow rates up to 5 GPM (19 l/min). Liquid inlet connection available in ¼" (F) NPT or BSPT. Wetted parts are polypropylene, stainless steel and Viton.

HOW TO ORDER:

Specify model number.
Example: AA30L-PP

AA23L-7676

The AA23L-7676 GunJet spray gun (shown above) is also available without extension as GunJet spray gun AA23L. Flow rates up to 5 GPM (1" l/min). Maximum operating pressure of 250 PSI (17 bar). Inlet ¼" NPS (M) thread. Strong aluminum alloy body. When used with extension, the valve stem extends through the entire extension length for drip-free shutoff immediately behind the spray tip. Accommodates all interchangeable TeeJet® spray tips.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	EXTENSION LENGTH
51403556	AA23L	Without Extension
51403561	AA23L-7676-8	8" (203 mm)
51403557	AA23L-7676-18	18" (457 mm)
51403558	AA23L-7676-24	24" (610 mm)
51403559	AA23L-7676-36	36" (914 mm)
51403560	AA23L-7676-48	48" (1,219 mm)

HOW TO ORDER:

Specify model number.
Example: AA23L

AA30L-22425

The AA30L-22425 GunJet spray gun (shown above) is also available without extension as GunJet spray gun AA30L. Flow rates up to 5 GPM (1" l/min). Maximum operating pressure of 250 PSI (17 bar). Outlet connection is 11/16"–16 TeeJet® thread. Body and trigger molded of tough Nylon. When used with extension, the valve stem extends through the entire extension length for drip-free shutoff immediately behind the spray tip. Accommodates all interchangeable TeeJet spray tips.

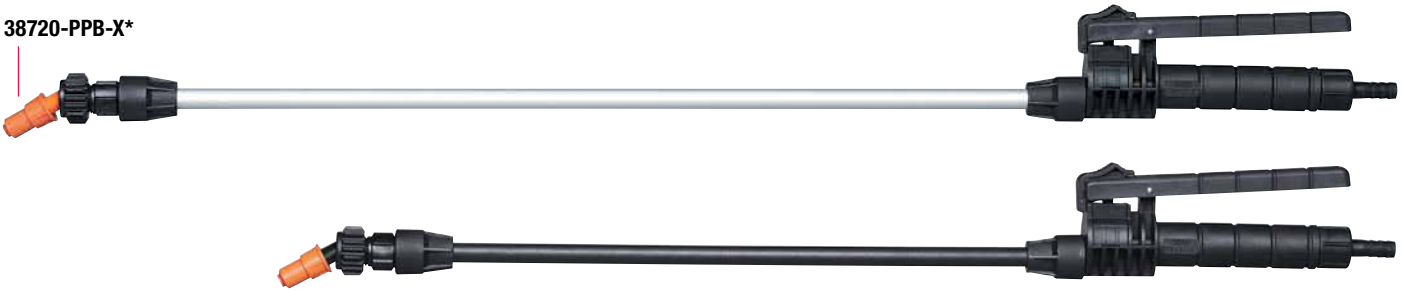
CNH INDUSTRIAL PART NO.	TEEJET PART NO.	EXTENSION LENGTH
51403568	AA30L-1/4	Without Extension
51403575	AA30L-22425-8	8" (203 mm)
51403570	AA30L-22425-18	18" (457 mm)
51403571	AA30L-22425-24	24" (610 mm)
51403573	AA30L-22425-36	36" (914 mm)
51403574	AA30L-22425-48	48" (1,219 mm)

HOW TO ORDER:

Specify model number.
Example: AA30L-1/4

TRIGGERJET® – SPRAY GUNS

38720-PPB-X*



MODEL 50800

The 50800 TriggerJet spray gun is a lightweight spray gun designed for use with backpack, canister or other low-pressure sprayers. The TriggerJet is made of molded polypropylene for excellent chemical resistance and durability.

FEATURES:

- Available with 15" (381 mm) polypropylene or 21" (533 mm) aluminum extension wand.
- Available with 38720-PPB-X18 or X26 adjustable ConeJet® tips with a 30° offset.
- Trigger lock permits locking gun in an open position for continuous flow.
- Maximum operating pressure of 100 PSI (7 bar).
- 1/4" or 3/8" hose shank connection.
- Approximate max. hose O.D.—1/2" (13 mm).
- Polypropylene strainer located inside handle to prevent tip clogging.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	DESCRIPTION	INLET CONNECTION	TIP NUMBER
51402977	50800-15-PP-300	15" (381 mm) Polypropylene Extension	1/4" Hose Barb Inlet	 38720-PPB-X18
51402979	50800-15-PP-406		3/8" Hose Barb Inlet	
51402982	50800-21-AL-300	21" (533 mm) Aluminum Extension	1/4" Hose Barb Inlet	
51402984	50800-21-AL-406		3/8" Hose Barb Inlet	
51402978	50800-15-PP-300-X26	15" (381 mm) Polypropylene Extension	1/4" Hose Barb Inlet	 38720-PPB-X26
51402980	50800-15-PP-406-X26		3/8" Hose Barb Inlet	
51402983	50800-21-AL-300-X26	21" (533 mm) Aluminum Extension	1/4" Hose Barb Inlet	
51402985	50800-21-AL-406-X26		3/8" Hose Barb Inlet	

50800 TRIGGERJET LESS EXTENSION AND TIP

FEATURE:

- Can be fitted with any standard TeeJet® tip.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	DESCRIPTION	INLET CONNECTION
51402987	50800-PP-300	TriggerJet, Less Extension	1/4" Hose Barb Inlet
51402988	50800-PP-406	TriggerJet, Less Extension	3/8" Hose Barb Inlet

TRIGGERJET® – SPRAY GUNS

MODEL 22670

The 22670 TriggerJet spray gun kit combines the 22650 TriggerJet spray gun with an extension wand and the items listed in Features. Maximum pressure rating is 150 PSI (10 bar).

FEATURES:

- 22650 TriggerJet spray gun with choice of 1/4" or 3/8" hose shank and a 1/4" NPT or BSPT (F) thread inlet connection.
- Trigger lock permits locking gun in an open position for continuous flow (optional).
- 22665 extension wand with choice of 15" (381 mm) or 24" (610 mm) lengths.
- 38720-PPB-X8 adjustable ConeJet® spray tip with Viton® O-ring.
- CP22673-PP 45° and CP22664-PP straight adapters (other capacities available).
- Accepts all standard TeeJet spray tips and tip strainers.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	EXTENSION LENGTH	INLET CONNECTION	TIP NUMBER
51402179	22670-PP-15-1/4	15" (38 cm)	1/4" (F)	 38720-PPB-X8 (Standard nozzle shipped with TriggerJet)
51402180	22670-PP-15-300	15" (38 cm)	1/4" Hose Shank	
51402181	22670-PP-15-406	15" (38 cm)	3/8" Hose Shank	
51402182	22670-PP-24-1/4	24" (61 cm)	1/4" (F)	
51402183	22670-PP-24-300	24" (61 cm)	1/4" Hose Shank	
51402184	22670-PP-24-406	24" (61 cm)	3/8" Hose Shank	

HOW TO ORDER:

Specify model number.
Example: 22670-PP-15-1/4

Reference page 118 for additional spray tip information.

22650-PP-*

MODEL 22650

The 22650 TriggerJet spray gun is a lightweight spray gun designed for use with backpack, canister or other low-pressure sprayers. The TriggerJet is made of molded polypropylene for excellent chemical resistance and durability.

FEATURES:

- Choice of 1/4" or 3/8" hose shank and 1/4" NPT or BSPT (F) thread inlet connection.
- Replaceable diaphragm made of Viton.
- Trigger lock permits locking gun in an open position for continuous flow (optional).
- Maximum operating pressure of 150 PSI (10 bar).
- Accepts all standard TeeJet spray tips and tip strainers.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	EXTENSION LENGTH	INLET CONNECTION	TIP NUMBER
51402173	22650-PP-1/4	NONE	1/4" (F)	NONE
51402174	22650-PP-300		1/4" Hose Shank	
51402175	22650-PP-406		3/8" Hose Shank	

HOW TO ORDER:

Specify model number.
Example: 22650-PP-1/4

Reference page 118 for additional spray tip information.

CONEJET® – ADJUSTABLE SPRAY TIPS

38720-PP

- Provides adjustable spray from solid stream to a hollow cone pattern.
- Made of polypropylene material for excellent chemical resistance.
- Fits any 11/16"–16 TeeJet® male thread bodies.
- 30° offset from horizontal incorporated into main tip body.

ADJUSTABLE CONEJET TIP		PERFORMANCE	LIQUID PRESSURE IN PSI									
CNH INDUSTRIAL PART NO.	TEEJET PART NO.		20 PSI		30 PSI		40 PSI		60 PSI		100 PSI	
			SETTING		SETTING		SETTING		SETTING		SETTING	
			A	B	A	B	A	B	A	B	A	B
51402514	38720-PPB-X8	Capacity – GPM	0.097	0.33	0.12	0.40	0.13	0.47	0.16	0.57	0.21	0.74
		Spray Angle	66°	—	71°	—	74°	—	77°	—	80°	—
		Max. Throw – Ft.	3	34	3	37	3	38	3	38	4	38
51402511	38720-PPB-X12	Capacity – GPM	0.15	0.49	0.18	0.60	0.20	0.69	0.24	0.84	0.31	1.1
		Spray Angle	71°	—	75°	—	77°	—	78°	—	80°	—
		Max. Throw – Ft.	3.5	36	4	39	4	40	4	41	4	41
51402512	38720-PPB-X18	Capacity – GPM	0.20	0.68	0.24	0.81	0.28	0.92	0.34	1.1	0.42	1.4
		Spray Angle	61°	—	68°	—	80°	—	80°	—	80°	—
		Max. Throw – Ft.	4	38	4	41	4	42	4	42	6	42
51402513	38720-PPB-X26	Capacity – GPM	0.31	0.89	0.38	1.1	0.43	1.2	0.53	1.5	0.68	1.9
		Spray Angle	77°	—	82°	—	84°	—	86°	—	86°	—
		Max. Throw – Ft.	4	34	4.5	37	5	38	5.5	39	6	40

5500

Knurled body of tip rotates through a half turn to provide spray selection from wide angle, finely atomized cone spray to a straight stream spray. Tip settings "A" and "B" represent two extreme points of rotation in tip adjustment. Other sizes available.

5500-PP

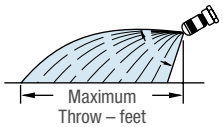
The 5500 adjustable ConeJet tip is also available in a polypropylene version. The polypropylene tip has the same performance characteristics as the brass tip and provides excellent chemical resistance. This tip's light weight makes it well-suited for use on handheld and backpack type sprayers.

O-Ring: EPDM is standard, Viton® is optional.

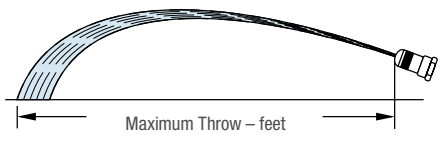
ADJUSTABLE CONEJET TIP		PERFORMANCE	LIQUID PRESSURE IN PSI											
CNH INDUSTRIAL PART NO.	TEEJET PART NO.		20 PSI		30 PSI		40 PSI		60 PSI		100 PSI		150 PSI	
			SETTING		SETTING		SETTING		SETTING		SETTING		SETTING	
			A	B	A	B	A	B	A	B	A	B	A	B
51403032	5500-X1	Capacity – GPM	—	.049	.015	.061	.017	.07	.02	.086	.025	.11	.028	.14
		Spray Angle	—	—	38°	—	54°	—	71°	—	80°	—	83°	—
		Max. Throw – Ft.	—	19	1	22	1.5	24	1.5	26	1.5	26	1.5	26
51403037	5500-X2	Capacity – GPM	.025	.091	.03	.11	.033	.13	.04	.16	.05	.20	.058	.25
		Spray Angle	40°	—	60°	—	68°	—	75°	—	80°	—	83°	—
		Max. Throw – Ft.	1.5	23	1.5	26	2	27	2	28	2	28	2	28
51403040	5500-X3	Capacity – GPM	.037	.13	.045	.17	.05	.19	.058	.23	.073	.30	.088	.37
		Spray Angle	57°	—	68°	—	72°	—	76°	—	80°	—	82°	—
51403023	5500-PPB-X3	Max. Throw – Ft.	2	27	2	30	2	31	2	31	3	31	3	31
51403041	5500-X4	Capacity – GPM	.05	.18	.058	.22	.067	.25	.08	.31	.10	.40	.12	.49
		Spray Angle	61°	—	70°	—	73°	—	77°	—	80°	—	81°	—
		Max. Throw – Ft.	2.5	30	2.5	33	3	34	3	34	3	34	3	34
51403042	5500-X5	Capacity – GPM	.061	.21	.076	.26	.082	.30	.10	.37	.13	.48	.15	.58
		Spray Angle	61°	—	70°	—	74°	—	77°	—	80°	—	81°	—
51403025	5500-PPB-X5	Max. Throw – Ft.	2.5	31	2.5	34	3	35	3	35	3	35	3	35
51403043	5500-X6	Capacity – GPM	.073	.26	.087	.32	.10	.37	.12	.45	.15	.58	.19	.71
51403027	5500-PPB-X6	Spray Angle	65°	—	71°	—	74°	—	77°	—	80°	—	80°	—
		Max. Throw – Ft.	2.5	32	3	35	3	36	3.5	36	3.5	36	3.4	36
51403044	5500-X8	Capacity – GPM	.097	.33	.12	.40	.13	.47	.16	.57	.21	.74	.25	.90
51403029	5500-PPB-X8	Spray Angle	66°	—	71°	—	74°	—	77°	—	80°	—	80°	—
		Max. Throw – Ft.	3	34	3	37	3	38	3	38	4	38	4	38
51403033	5500-X10	Capacity – GPM	.12	.42	.15	.52	.17	.60	.21	.73	.26	.94	.31	1.2
		Spray Angle	68°	—	72°	—	75°	—	78°	—	80°	—	80°	—
		Max. Throw – Ft.	3	35	3.5	38	3.5	39	4	40	4	40	4	40
51403034	5500-X12	Capacity – GPM	.15	.49	.18	.60	.20	.69	.24	.84	.31	1.1	.38	1.3
51403016	5500-PPB-X12	Spray Angle	69°	—	73°	—	76°	—	78°	—	80°	—	80°	—
		Max. Throw – Ft.	3.5	36	4	39	4	40	4	41	4	41	4	41
51403035	5500-X14	Capacity – GPM	.17	.55	.20	.67	.23	.78	.29	.95	.37	1.2	.45	1.5
		Spray Angle	70°	—	74°	—	76°	—	78°	—	80°	—	80°	—
		Max. Throw – Ft.	3.5	37	4	40	4	41	4	41	4.5	41	4.5	41
51403036	5500-X18	Capacity – GPM	.21	.69	.26	.84	.30	.97	.37	1.2	.47	1.5	.58	1.9
51403019	5500-PPB-X18	Spray Angle	71°	—	75°	—	77°	—	78°	—	80°	—	79°	—
		Max. Throw – Ft.	4	38	4	41	4	42	4	42	5	42	5	42
51403038	5500-X22	Capacity – GPM	.26	.83	.32	1.0	.37	1.2	.45	1.4	.58	1.9	.70	2.3
51403021	5500-PPB-X22	Spray Angle	71°	—	75°	—	78°	—	79°	—	80°	—	78°	—
		Max. Throw – Ft.	4	39	4.5	41	5	42	5	42	5	42	5	42
51403039	5500-X26	Capacity – GPM	.31	.98	.37	1.2	.43	1.4	.53	1.7	.68	2.2	.83	2.7
		Spray Angle	72°	—	76°	—	78°	—	79°	—	80°	—	78°	—
		MAX. THROW – FT.	4.5	40	5	42	5	43	5.5	43	5.5	43	5.5	43

Above data is based on spraying water from a height of about 2½ feet with tip tilted about as shown at left for each setting.

TIP SETTING "A"
CONE SPRAY PATTERN



TIP SETTING "B"
STRAIGHT STREAM SPRAY PATTERN



WILGER

Control your coverage. Control your drift. All with one tip.

Agricultural Sprayers have undoubtedly become larger and larger machines that are capable or spraying larger and larger farms. Wilger commits to develop new components and systems to continue to surpass current productivity demand and create serious gains in the quality of spray application.

NOT SURE WHICH TIPS TO USE? MAKE IT EASY WITH TIP WIZARD.

Tip Wizard is available on the **wilger.net** website as well as a free smartphone app. Just enter your application details, and it will show you which tips you can use with information down to the nearest micron.

COMBO-JET® – TIP-CAPS AND STRAINERS

ARE YOU SPENDING MORE TIME CLEANING NOZZLES THAN SPRAYING?

The Combo-Jet® Tip-Cap with its snap-in strainer is easier to clean, and stays clean longer.

THE COMBO-JET® ADVANTAGE

- **40% Longer Strainers that snap into place**
- **Easier Handling with snap-in design**
- **SR/MR/DR Drift Reduction Series**
- **Fits all nozzle bodies [with adapters]**
- **Easy to read cap label**
  (MR110-06 = MR Series, 110° tip, 0.6 USGPM flow rate)
- **Cap Color matches ISO flow rates**
- **Droplet Size Selective Tip Options**
- **Permanent Stainless Steel Tip**
- **Best Tips for Pulse Width Modulation Systems**

HOW TO REMOVE STRAINERS FOR CLEANING

SR/MR/DR Series

To clean stainless tip Pull strainer (with pre-orifice) up and out

To clean plastic pre-orifice Push strainer sideways to remove from pre-orifice

ER Series

Push strainer sideways to remove

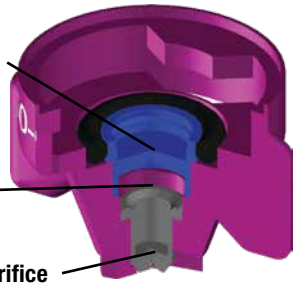
To use/replace strainer Push strainer down to snap the strainer in

COMBO-JET® DRIFT REDUCTION - CLOSED CHAMBER DESIGN

Unlike traditional air-induction nozzles, Combo-Jet SR, MR, and DR series of tip caps do not rely on a steady stream of air to reduce drift. Wilger uses a unique pre-orifice and closed chamber design that reduces drift while creating more meaningful droplets.

Each of the Combo-Jet drift reduction series (SR/MR/DR) provide different levels of drift reduction to give even more flexibility in choosing your droplet size range. Without needing consistent airflow for controlling drift, Combo-Jet tips have become the preferred tip for pulse width modulation systems.

For accurate comparisons between the Combo-Jet drift reduction series, see the next page, or use Tip-Wizard found on the wilger.net website or Tip Wizard smartphone app.



IF YOU ARE TIRED OF PICKING PARTS OUT OF THE DIRT, YOU WILL REALLY LIKE COMBO-JET® TIPS!

Since the strainer, o-ring, and tip-cap all snap together tightly, there is no way for dislodged debris to plug the tip while changing or cleaning. It handles like one part, which is safer and easier.

COMBO-JET® – ER, SR, MR, & DR TIP-CAPS - WHAT IS THE DIFFERENCE?

Each chemical, crop, and application are different. For best application efficacy, each might use a different spray tip. Wilger created four series of tip-caps to give choice to match each application to its best tip.

For how each tip series (ER/SR/MR/DR) compare, see the below chart:

COMBO-JET®
ER/SR/MR/DR Series
Performance
& Specifications
Comparison

COMPARISON FACTOR	ER SERIES EXTENDED RANGE	SR SERIES SMALL REDUCTION	MR SERIES MID REDUCTION	DR SERIES DRIFT REDUCTION
DROPLET SIZE[1]	SMALLEST (246µ VMD*)	SMALL (371µ VMD*)	MEDIUM (474µ VMD*)	LARGEST (529µ VMD*)
% <141µ (DRIFTABLE)[2] % <600µ[3]	20% OF VOLUME < 141µ 94% OF VOLUME <600µ	8% OF VOLUME < 141µ 89% OF VOLUME <600µ	4% OF VOLUME < 141µ 74% OF VOLUME <600µ	2% OF VOLUME < 141µ 64% OF VOLUME <600µ
COVERAGE	BEST	VERY GOOD	GOOD	REDUCED
DRIFT POTENTIAL	MOST LIKELY TO DRIFT	LOWER DRIFT POTENTIAL	MAJOR REDUCTION	LEAST LIKELY TO DRIFT
DESIGN	SINGLE ORIFICE FLAT FAN	DUAL ORIFICE FLAT FAN	DUAL ORIFICE FLAT FAN	DUAL ORIFICE FLAT FAN
SERVICEABILITY	ALL-IN-ONE TIP-CAP. STRAINER & PRE-ORIFICE (SR, MR, & DR) SNAP INTO TIP-CAP.			

[1]Based on an XX110-06 nozzle @ 40 psi (2.75 BAR)
[2]Droplets smaller than 141µ are more likely to drift. % of volume <141µ is used as a standard for estimating drift.
[3]Droplets smaller than 600µ will provide better coverage. Droplets >600µ will use more total volume less effectively for coverage.

PROTECT YOURSELF BY USING THE CORRECT SPRAY TIP.

Minimizing crop damage and maximizing chemical efficacy means more than just impacting the crop. Proper spraying is an important aspect of every farm's bottom line, both financially and environmentally.

For the best application control, the right tip-caps have to be used at a proper pressure to produce a desired droplet size for the spraying conditions.

Combo-Jet® tip-caps let you choose a tip that matches the conditions you typically deal with.

A WORD ON MULTI-TIP SPRAYING.

With faster sprayers and higher flow rates, using one tip to apply heavy volumes means larger droplets and spottier coverage.

To combat the loss of fine droplets when spraying very coverage sensitive chemicals (i.e. Fungicide), there is great benefit in using multiple tips to split up the flow; which, results in using two smaller tips for consistently finer coverage overall.

Aside from coverage sensitive chemicals, multi-tip spraying is also useful for "hard to reach" applications, such as spraying both sides of a head of wheat, or penetrating a dense canopy.

Either with a dual-tip adapter (Photo A) or with Combo-Rate® stacking nozzle bodies (Photo B), setting up for multi-tip spraying is easy.

A

B

DID YOU KNOW THAT SIZE MATTERS?

A 500 micron(µ) droplet contains the same volume as 8x 250µ diameter droplets, and halving those 8 droplets would make 64x 125µ droplets. That is why with smaller droplets, with the same flow rate, you get finer coverage.

COMBO-JET® — 80° TIP-CAP PERFORMANCE SPECIFICATIONS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressure ranges for Tip-Caps are shown.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.

Recommended Pressure: 20-70 PSI

Recommended Pressure: 20-100 PSI

Recommended Pressure: 25-100 PSI

Recommended Pressure: 30-100 PSI

TIP CAP NO.	FLOW RATE USGPM	PSI	APPLICATION RATE - US GALLONS / ACRE							VMD (DROPLET SIZE IN µ); %<141µ (DRIFT %); %<200µ (DRIFT %); %<600µ (SMALL DROPLETS)														TIP-CAP		STRAINER	
			SPRAYER SPEED - MILES / HOUR							80° ER SERIES				80° SR SERIES				80° MR SERIES				80° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.	CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	17.5	20.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600				
01	0.07	20	4.2	2.8	2.1	1.7	1.4	1.2	1.0	176	28%	64%	100%	293	8%	22%	97%	-	-	-	-	-	-	-	-	ER80-01CIH25	ER80-01	-	-
	0.09	30	5.1	3.4	2.6	2.1	1.7	1.5	1.3	156	41%	74%	100%	234	20%	39%	97%	219	23%	43%	97%	312	10%	21%	94%	SR80-01CIH25	SR80-01	-	-
	0.10	40	5.9	4.0	3.0	2.4	2.0	1.7	1.5	144	49%	81%	100%	199	29%	51%	97%	192	30%	53%	97%	275	14%	29%	96%	MR80-01CIH25	MR80-01	-	-
	0.11	50	6.6	4.4	3.3	2.7	2.2	1.9	1.7	135	56%	86%	100%	176	36%	60%	98%	173	36%	61%	97%	249	17%	34%	98%	DR80-01CIH25	DR80-01	-	-
	0.12	60	7.3	4.8	3.6	2.9	2.4	2.1	1.8	128	61%	91%	100%	159	41%	68%	98%	159	40%	67%	97%	230	19%	39%	99%	100 MESH - GREEN		40251-00CIH25	40251-00
	0.13	70	7.8	5.2	3.9	3.1	2.6	2.2	2.0	122	66%	95%	100%	146	46%	75%	98%	148	44%	73%	97%	214	21%	43%	100%				
015	0.11	20	6.3	4.2	3.1	2.5	2.1	1.8	1.6	200	21%	50%	100%	318	8%	19%	93%	-	-	-	-	-	-	-	-	ER80-015CIH25	ER80-015	-	-
	0.13	30	7.7	5.1	3.8	3.1	2.6	2.2	1.9	180	29%	59%	100%	264	16%	31%	95%	324	10%	21%	94%	419	4%	9%	87%	SR80-015CIH25	SR80-015	-	-
	0.15	40	8.9	5.9	4.4	3.5	3.0	2.5	2.2	167	34%	65%	100%	231	22%	40%	96%	285	14%	28%	96%	381	6%	12%	90%	87502352	MR80-015	-	-
	0.17	50	9.9	6.6	5.0	4.0	3.3	2.8	2.5	158	39%	70%	100%	208	26%	48%	97%	257	17%	33%	97%	354	7%	15%	92%	DR80-015CIH25	DR80-015	-	-
	0.18	60	10.9	7.2	5.4	4.3	3.6	3.1	2.7	151	42%	73%	100%	191	30%	53%	97%	237	19%	38%	98%	333	8%	17%	94%	100 MESH - GREEN		40251-00CIH25	40251-00
	0.20	70	11.7	7.8	5.9	4.7	3.9	3.4	2.9	145	45%	77%	100%	178	33%	58%	98%	221	22%	42%	99%	317	9%	19%	95%				
02	0.14	20	8.3	5.6	4.2	3.3	2.8	2.4	2.1	185	28%	56%	100%	296	9%	21%	93%	-	-	-	-	-	-	-	-	-	ER80-02	-	-
	0.17	30	10.2	6.8	5.1	4.1	3.4	2.9	2.6	171	34%	62%	100%	258	15%	31%	95%	328	8%	18%	94%	456	3%	7%	80%	SR80-02CIH25	SR80-02	-	-
	0.20	40	11.8	7.9	5.9	4.7	3.9	3.4	2.9	162	38%	66%	100%	235	20%	38%	96%	299	11%	23%	94%	421	4%	10%	84%	MR80-02CIH25	MR80-02	-	-
	0.22	50	13.2	8.8	6.6	5.3	4.4	3.8	3.3	155	42%	69%	100%	217	24%	43%	97%	279	13%	27%	95%	396	5%	12%	86%	DR80-02CIH25	DR80-02	-	-
	0.24	60	14.4	9.6	7.2	5.8	4.8	4.1	3.6	150	44%	72%	100%	204	27%	48%	98%	263	15%	31%	95%	376	6%	13%	88%	50 MESH - RED		40250-00CIH25	40250-00
	0.26	70	15.6	10.4	7.8	6.2	5.2	4.5	3.9	146	47%	74%	99%	194	29%	52%	98%	251	17%	34%	95%	361	7%	15%	89%				
025	0.17	20	10.4	6.9	5.2	4.1	3.5	3.0	2.6	234	17%	37%	100%	344	6%	14%	89%	-	-	-	-	-	-	-	-	ER80-025CIH25	ER80-025	-	-
	0.21	30	12.7	8.5	6.3	5.1	4.2	3.6	3.2	210	23%	45%	100%	299	11%	23%	92%	429	4%	10%	80%	463	3%	7%	77%	SR80-025CIH25	SR80-025	-	-
	0.25	40	14.7	9.8	7.3	5.9	4.9	4.2	3.7	195	28%	51%	100%	270	15%	29%	94%	386	6%	14%	84%	432	4%	10%	80%	MR80-025CIH25	MR80-025	-	-
	0.28	50	16.4	10.9	8.2	6.6	5.5	4.7	4.1	184	31%	55%	100%	250	18%	34%	95%	356	8%	17%	87%	410	5%	12%	83%	DR80-025CIH25	DR80-025	-	-
	0.30	60	18.0	12.0	9.0	7.2	6.0	5.1	4.5	175	34%	59%	100%	235	20%	38%	96%	333	9%	19%	88%	393	6%	13%	84%	50 MESH - RED		40250-00CIH25	40250-00
	0.33	70	19.4	12.9	9.7	7.8	6.5	5.5	4.8	168	36%	62%	100%	223	22%	42%	97%	315	10%	21%	90%	379	7%	14%	86%				
03	0.21	20	12.4	8.2	6.2	4.9	4.1	3.5	3.1	251	17%	38%	99%	406	4%	9%	86%	-	-	-	-	-	-	-	-	ER80-03CIH25	ER80-03	-	-
	0.26	30	15.2	10.1	7.6	6.1	5.1	4.3	3.8	230	22%	44%	99%	349	9%	17%	89%	437	4%	10%	80%	485	3%	7%	71%	SR80-03CIH25	SR80-03	-	-
	0.29	40	17.5	11.7	8.7	7.0	5.8	5.0	4.4	217	26%	49%	99%	314	12%	22%	91%	395	6%	13%	85%	451	4%	9%	76%	MR80-03CIH25	MR80-03	-	-
	0.33	50	19.6	13.0	9.8	7.8	6.5	5.6	4.9	207	29%	52%	99%	289	14%	27%	92%	364	8%	16%	87%	426	5%	11%	80%	DR80-03CIH25	DR80-03	-	-
	0.36	60	21.4	14.3	10.7	8.6	7.1	6.1	5.4	199	31%	55%	99%	270	16%	30%	93%	341	9%	18%	89%	406	6%	13%	82%	50 MESH - RED		40250-00CIH25	40250-00
	0.39	70	23.1	15.4	11.6	9.3	7.7	6.6	5.8	192	33%	57%	99%	255	18%	33%	93%	323	10%	20%	90%	391	7%	14%	84%				
04	0.27	20	16.3	10.8	8.1	6.5	5.4	4.6	4.1	254	16%	33%	99%	409	3%	10%	83%	-	-	-	-	-	-	-	-	ER80-04CIH25	ER80-04	-	-
	0.34	30	19.9	13.3	10.0	8.0	6.6	5.7	5.0	233	20%	39%	99%	352	6%	18%	86%	428	5%	11%	79%	551	2%	4%	60%	SR80-04CIH25	SR80-04	-	-
	0.39	40	23.0	15.3	11.5	9.2	7.7	6.6	5.8	219	23%	44%	99%	317	9%	23%	89%	393	7%	14%	83%	515	3%	6%	67%	MR80-04CIH25	MR80-04	-	-
	0.43	50	25.7	17.1	12.9	10.3	8.6	7.3	6.4	209	25%	47%	99%	292	11%	27%	90%	367	8%	17%	86%	488	3%	8%	71%	DR80-04CIH25	DR80-04	-	-
	0.47	60	28.2	18.8	14.1	11.3	9.4	8.0	7.0	201	27%	50%	99%	274	13%	30%	91%	348	10%	19%	87%	467	4%	9%	74%	50 MESH - RED		40250-00CIH25	40250-00
	0.51	70	30.4	20.3	15.2	12.2	10.1	8.7	7.6	195	29%	52%	99%	259	14%	33%	92%	332	11%	21%	89%	450	5%	10%	76%				
05	0.34	20	20.0	13.3	10.0	8.0	6.7	5.7	5.0	303	10%	22%	95%	462	2%	6%	77%	-	-	-	-	-	-	-	-	ER80-05CIH25	ER80-05	-	-
	0.41	30	24.5	16.3	12.2	9.8	8.2	7.0	6.1	274	15%	29%	95%	396	6%	13%	82%	517	3%	6%	65%	587	1%	3%	53%	SR80-05CIH25	SR80-05	-	-
	0.48	40	28.3	18.8	14.1	11.3	9.4	8.1	7.1	255	19%	34%	95%	355	9%	18%	85%	478	4%	8%	71%	551	2%	5%	60%	MR80-05CIH25	MR80-05	-	-
	0.53	50	31.6	21.1	15.8	12.6	10.5	9.0	7.9	241	21%	38%	95%	326	11%	22%	87%	450	5%	10%	75%	524	3%	6%	65%	DR80-05CIH25	DR80-05	-	-
	0.58	60	34.6	23.1	17.3	13.8	11.5	9.9	8.7	230	23%	41%	95%	305	13%	25%	88%	428	5%	12%	78%	503	3%	7%	68%	50 MESH - RED		40250-00CIH25	40250-00
	0.63	70	37.4	24.9	18.7	15.0	12.5	10.7	9.3	221	25%	44%	95%	287	14%	28%	89%	410	6%	13%	80%	486	4%	8%	71%				
06	0.40	20	23.5	15.7	11.8	9.4	7.8	6.7	5.9	331	11%	18%	92%	483	2%	6%	72%	-	-	-	-	-	-	-	-	ER80-06CIH25	ER80-06	-	-
	0.48	30	28.8	19.2	14.4	11.5	9.6	8.2	7.2	305	15%	24%	91%	435	4%	10%	79%	544	2%	5%	61%	613	1%	3%	48%	SR80-06CIH25	SR80-06	-	-
	0.56	40	33.2	22.2	16.6	13.3	11.1	9.5	8.3	287	18%	27%	91%	404	6%	13%	82%	509	3%	7%	67%	579	2%	5%	54%	MR80-06CIH25	MR80-06	-	-
	0.63	50	37.2	24.8	18.6	14.9	12.4	10.6	9.3	275	21%	30%	91%	382	7%	15%	85%	483	4%	8%	71%	555	2%	6%	58%	DR80-06CIH25	DR80-06	-	-
	0.69	60	40.7	27.1	20.4	16.3	13.6	11.6	10.2	265	23%	33%	90%	364	8%	17%	87%	463	4%	9%	74%	535	3%	7%	61%	50 MESH - RED		40250-00CIH25	40250-00
	0.74	70	44.0	29.3	22.0	17.6	14.7	12.6	11.0	256	24%	35%	90%	350	9%	19%	88%	447	5%	10%	76%	519	3%	8%	64%				

Droplet Categories as per ASABE S572.1 Classification (2009-current)*

- Extremely Fine <50
- Very Fine 51-136µ
- Fine 137-177µ
- Medium 178-218µ
- Coarse 219-349µ
- Very Coarse 350-428µ
- Extremely Coarse 429-622µ
- Ultra Coarse >623µ

VMD
Volume Median Diameter
Size of the median droplet (in µ) for a sprayed volume. Half of the volume is made up of droplets smaller than the VMD; half is made up of droplets larger.

% <141µ
% Driftable Fines
Percentage of volume which is likely to drift. 141µ is now replacing 200µ as the new standard for driftable fines.

% <200µ
% Driftable Fines
Percentage of volume which is likely to drift. 200µ is shown for reference. 141µ is used as the new standard for dritable fines.

% <600µ
% Useful Droplets
Percentage of volume which is made up of 'useful' droplets. As the distribution of useful droplets lowers, coverage is reduced.

Strainer Mesh & Tips
Recommended Strainer mesh
Mesh of strainer determined by the size of a tip. For larger tips (08+), strainers are not required.

COMBO-JET® – 80° HIGH FLOW TIP-CAP PERFORMANCE SPECIFICATIONS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressure ranges for Tip-Caps are shown.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.

Recommended Pressure: 20-70 PSI

Recommended Pressure: 20-100 PSI

Recommended Pressure: 25-100 PSI

Recommended Pressure: 30-100 PSI

TIP CAP NO.	FLOW RATE USGPM	PSI	APPLICATION RATE - US GALLONS / ACRE							VMD (DROPLET SIZE IN µ); %<141µ (DRIFT %); %<200µ (DRIFT %); %<600µ (SMALL DROPLETS)														TIP-CAP	
			SPRAYER SPEED - MILES / HOUR							80° ER SERIES				80° SR SERIES				80° MR SERIES				80° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	17.5	20.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600		
08	0.50	20	29.9	19.9	14.9	11.9	10.0	8.5	7.5	399	9%	19%	83%	582	4%	7%	37%	-	-	-	-	-	-	-	-	ER80-08CIH25	ER80-08
	0.62	30	36.6	24.4	18.3	14.6	12.2	10.5	9.1	345	14%	26%	88%	524	6%	10%	52%	575	5%	8%	58%	649	2%	3%	46%	SR80-08CIH25	SR80-08
	0.71	40	42.2	28.2	21.1	16.9	14.1	12.1	10.6	311	18%	30%	91%	482	8%	13%	60%	532	7%	11%	65%	613	3%	5%	53%	MR80-08CIH25	MR80-08
	0.79	50	47.2	31.5	23.6	18.9	15.7	13.5	11.8	287	20%	34%	92%	450	9%	15%	66%	501	8%	14%	69%	586	4%	7%	57%	DR80-08CIH25	DR80-08
	0.87	60	51.7	34.5	25.9	20.7	17.2	14.8	12.9	269	23%	37%	94%	424	10%	16%	70%	477	9%	16%	72%	565	4%	8%	61%	-	-
	0.94	70	55.9	37.2	27.9	22.3	18.6	16.0	14.0	254	25%	39%	94%	402	11%	17%	73%	458	10%	17%	75%	548	5%	9%	63%	-	-
10	0.59	20	35.3	23.5	17.6	14.1	11.8	10.1	8.8	509	6%	11%	74%	616	3%	5%	28%	-	-	-	-	-	-	-	-	ER80-10CIH25	ER80-10
	0.73	30	43.2	28.8	21.6	17.3	14.4	12.4	10.8	450	9%	16%	78%	560	5%	8%	44%	589	4%	6%	56%	648	3%	4%	46%	SR80-10CIH25	SR80-10
	0.84	40	49.9	33.3	25.0	20.0	16.6	14.3	12.5	412	11%	20%	81%	520	6%	10%	54%	553	5%	8%	61%	618	4%	6%	51%	MR80-10CIH25	MR80-10
	0.94	50	55.8	37.2	27.9	22.3	18.6	15.9	14.0	385	13%	23%	83%	489	7%	12%	60%	527	6%	10%	65%	595	5%	7%	55%	DR80-10CIH25	DR80-10
	1.03	60	61.1	40.8	30.6	24.5	20.4	17.5	15.3	364	15%	25%	85%	464	8%	13%	64%	507	6%	12%	68%	577	5%	8%	58%	-	-
	1.11	70	66.0	44.0	33.0	26.4	22.0	18.9	16.5	348	16%	27%	86%	442	9%	15%	67%	490	7%	13%	70%	562	6%	9%	60%	-	-
125	0.69	20	40.9	27.2	20.4	16.3	13.6	11.7	10.2	522	6%	13%	69%	618	3%	5%	30%	-	-	-	-	-	-	-	-	ER80-125CIH25	ER80-125
	0.84	30	50.1	33.4	25.0	20.0	16.7	14.3	12.5	470	9%	16%	75%	569	5%	8%	43%	638	3%	5%	47%	678	3%	4%	42%	SR80-125CIH25	SR80-125
	0.97	40	57.8	38.5	28.9	23.1	19.3	16.5	14.5	436	10%	19%	78%	535	6%	10%	50%	607	4%	7%	52%	647	3%	5%	47%	MR80-125CIH25	MR80-125
	1.09	50	64.6	43.1	32.3	25.9	21.5	18.5	16.2	412	11%	21%	81%	508	7%	11%	55%	584	5%	9%	56%	623	4%	6%	50%	DR80-125CIH25	DR80-125
	1.19	60	70.8	47.2	35.4	28.3	23.6	20.2	17.7	393	12%	22%	83%	486	8%	12%	59%	566	6%	10%	59%	605	4%	7%	53%	-	-
	1.29	70	76.5	51.0	38.2	30.6	25.5	21.8	19.1	377	13%	24%	84%	467	8%	14%	62%	551	6%	11%	61%	589	5%	8%	55%	-	-
15	0.76	20	45.3	30.2	22.6	18.1	15.1	12.9	11.3	562	2%	6%	70%	-	-	-	-	-	-	-	-	-	-	-	-	ER80-15CIH25	ER80-15
	0.93	30	55.4	37.0	27.7	22.2	18.5	15.8	13.9	499	5%	11%	74%	633	4%	6%	30%	596	4%	7%	55%	718	1%	1%	34%	SR80-15CIH25	SR80-15
	1.08	40	64.0	42.7	32.0	25.6	21.3	18.3	16.0	459	7%	14%	76%	599	5%	7%	38%	558	5%	10%	61%	682	2%	2%	41%	MR80-15CIH25	MR80-15
	1.20	50	71.6	47.7	35.8	28.6	23.9	20.5	17.9	430	9%	17%	78%	572	5%	8%	44%	530	6%	11%	64%	655	2%	3%	45%	DR80-15CIH25	DR80-15
	1.32	60	78.4	52.3	39.2	31.4	26.1	22.4	19.6	408	10%	19%	79%	550	6%	9%	48%	509	7%	13%	67%	634	3%	4%	49%	-	-
	1.43	70	84.7	56.5	42.3	33.9	28.2	24.2	21.2	390	12%	21%	80%	531	6%	10%	51%	491	8%	14%	69%	616	3%	5%	51%	-	-
20	0.87	20	51.5	34.3	25.7	20.6	17.2	14.7	12.9	659	1%	2%	48%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.06	30	63.0	42.0	31.5	25.2	21.0	18.0	15.8	594	3%	6%	57%	675	3%	4%	20%	726	1%	0%	33%	793	0%	0%	23%	SR80-20CIH25	SR80-20
	1.23	40	72.8	48.5	36.4	29.1	24.3	20.8	18.2	551	5%	9%	62%	638	4%	5%	30%	674	2%	2%	42%	741	1%	1%	32%	MR80-20CIH25	MR80-20
	1.37	50	81.4	54.2	40.7	32.5	27.1	23.2	20.3	520	6%	11%	66%	610	4%	6%	36%	636	3%	4%	48%	702	2%	2%	39%	DR80-20CIH25	DR80-20
	1.50	60	89.1	59.4	44.6	35.7	29.7	25.5	22.3	496	7%	13%	69%	587	5%	7%	41%	607	4%	6%	52%	673	2%	3%	43%	-	-
	1.62	70	96.3	64.2	48.1	38.5	32.1	27.5	24.1	477	8%	14%	71%	568	5%	8%	45%	583	4%	7%	56%	648	3%	4%	47%	-	-
25	0.93	20	55.3	36.9	27.7	22.1	18.4	15.8	13.8	728	0%	0%	49%	-	-	-	-	-	-	-	-	-	-	-	-	ER80-25CIH25	ER80-25
	1.14	30	67.8	45.2	33.9	27.1	22.6	19.4	16.9	652	2%	4%	56%	654	2%	3%	25%	802	1%	0%	26%	875	0%	0%	7%	SR80-25CIH25	SR80-25
	1.32	40	78.3	52.2	39.1	31.3	26.1	22.4	19.6	604	4%	6%	60%	622	3%	4%	33%	753	1%	0%	34%	821	1%	0%	18%	MR80-25CIH25	MR80-25
	1.47	50	87.5	58.3	43.7	35.0	29.2	25.0	21.9	568	5%	9%	63%	597	3%	5%	38%	716	2%	2%	39%	781	1%	0%	25%	DR80-25CIH25	DR80-25
	1.61	60	95.8	63.9	47.9	38.3	31.9	27.4	24.0	541	6%	11%	66%	577	4%	6%	42%	688	2%	3%	43%	750	1%	1%	31%	-	-
	1.74	70	103.5	69.0	51.8	41.4	34.5	29.6	25.9	519	7%	12%	68%	560	4%	7%	46%	665	3%	4%	47%	724	2%	2%	35%	-	-

*Droplet categories: The above chart is based on the ASABE Standard 572.1. Refer to chemical label to check whether ASABE S572 or 572.1 categories should be followed.

Droplet Categories as per ASABE S572.1 Classification (2009-current)*

Extremely Fine <50 | Very Fine 51-136µ | Fine 137-177µ | Medium 178-218µ | Coarse 219-349µ | Very Coarse 350-428µ | Extremely Coarse 429-622µ | Ultra Coarse >623µ

Droplet Categories as per ASABE S572 Classification (Pre-2009)*

Very Fine <150µ | Fine 150-250µ | Medium 250-350µ | Coarse 350-450µ | Very Coarse 450-550µ | Extremely Coarse >550µ

Recommended Pressure

Pressure Range for Tips

For applications which require a uniform pattern, the recommended pressure range is provided.

ASABE Droplet Categories

Color Classifications

The colors associated with the VMD is based on an ASABE standard for droplet size categorization. See categories and colors above.

Combo-Jet® Adapters

Square Lug Compatibility

Combo-Jet® tip-caps use a radialock o-ring seal to secure the cap to the nozzle body. An adapter can be used to mount a radialock cap on a non-radialock nozzle body.

Pre-orifice Length & Color

Differences in tip pre-orifices

Pre-orifice color and length vary for some tips. SR-series pre-o rifices will vary in color from the color of the cap. MR & DR pre-orifices will be the same color as the cap. Pre-orifices for high volume tips use a longer pre-orifice.

COMBO-JET® – 80° TIP-CAP PERFORMANCE SPECIFICATIONS FOR PWM SYSTEMS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressures are higher than in standard spray systems.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 20, 25, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.
5. Standard PWM systems have inherent flow capacity up to 1.5 US Gallons/Min

Recommended Pressure: 25-70 PSI

Recommended Pressure: 30-100 PSI

Recommended Pressure: 30-100 PSI

Recommended Pressure: 35-100 PSI

TIP CAP NO.	FLOW RATE USGPM	PSI	SPRAYER SPEED RANGE (ROUNDED) @ APPLICATION RATE (US GALLONS/ACRE)					VMD (DROPLET SIZE IN µ); %<141µ (DRIFT %); %<200µ (DRIFT %); %<600µ (SMALL DROPLETS)														TIP-CAP		STRAINER	
								80° ER SERIES				80° SR SERIES				80° MR SERIES				80° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.	CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600				
01	0.07	20	1.0-4.2	0.7-2.8	0.5-2.1	0.4-1.7	0.3-1.4	176	28%	64%	100%	293	8%	22%	97%	-	-	-	-	-	-	-	-	ER80-01CIH25	ER80-01	-	-
	0.09	30	1.3-5.1	0.9-3.4	0.6-2.6	0.5-2.1	0.4-1.7	156	41%	74%	100%	234	20%	39%	97%	219	23%	43%	97%	312	10%	21%	94%	SR80-01CIH25	SR80-01	-	-
	0.10	40	1.5-5.9	1.0-4.0	0.7-3.0	0.6-2.4	0.5-2.0	144	49%	81%	100%	199	29%	51%	97%	192	30%	53%	97%	275	14%	29%	96%	MR80-01CIH25	MR80-01	-	-
	0.11	50	1.7-6.6	1.1-4.4	0.8-3.3	0.7-2.7	0.6-2.2	135	56%	86%	100%	176	36%	60%	98%	173	36%	61%	97%	249	17%	34%	98%	DR80-01CIH25	DR80-01	-	-
	0.12	60	1.8-7.3	1.2-4.8	0.9-3.6	0.7-2.9	0.6-2.4	128	61%	91%	100%	159	41%	68%	98%	159	40%	67%	97%	230	19%	39%	99%	100 MESH - GREEN		40251-00CIH25	40251-00
	0.13	70	2.0-7.8	1.3-5.2	1.0-3.9	0.8-3.1	0.7-2.6	122	66%	95%	100%	146	46%	75%	98%	148	44%	73%	97%	214	21%	43%	100%				
015	0.11	20	1.6-6.3	1.0-4.2	0.8-3.1	0.6-2.5	0.5-2.1	200	21%	50%	100%	318	8%	19%	93%	-	-	-	-	-	-	-	-	ER80-015CIH25	ER80-015	-	-
	0.13	30	1.9-7.7	1.3-5.1	1.0-3.8	0.8-3.1	0.6-2.6	180	29%	59%	100%	264	16%	31%	95%	324	10%	21%	94%	419	4%	9%	87%	SR80-015CIH25	SR80-015	-	-
	0.15	40	2.2-8.9	1.5-5.9	1.1-4.4	0.9-3.5	0.7-3.0	167	34%	65%	100%	231	22%	40%	96%	285	14%	28%	96%	381	6%	12%	90%	87502352	MR80-015	-	-
	0.17	50	2.5-9.9	1.7-6.6	1.2-5.0	1.0-4.0	0.8-3.3	158	39%	70%	100%	208	26%	48%	97%	257	17%	33%	97%	354	7%	15%	92%	DR80-015CIH25	DR80-015	-	-
	0.18	60	2.7-11	1.8-7.2	1.4-5.4	1.1-4.3	0.9-3.6	151	42%	73%	100%	191	30%	53%	97%	237	19%	38%	98%	333	8%	17%	94%	100 MESH - GREEN		40251-00CIH25	40251-00
	0.20	70	2.9-12	2.0-7.8	1.5-5.9	1.2-4.7	1.0-3.9	145	45%	77%	100%	178	33%	58%	98%	221	22%	42%	99%	317	9%	19%	95%				
02	0.14	20	2.1-8.3	1.4-5.6	1.0-4.2	0.8-3.3	0.7-2.8	185	28%	56%	100%	296	9%	21%	93%	-	-	-	-	-	-	-	-	-	ER80-02	-	-
	0.17	30	2.6-10	1.7-6.8	1.3-5.1	1.0-4.1	0.9-3.4	171	34%	62%	100%	258	15%	31%	95%	328	8%	18%	94%	456	3%	7%	80%	SR80-02CIH25	SR80-02	-	-
	0.20	40	2.9-12	2.0-7.9	1.5-5.9	1.2-4.7	1.0-3.9	162	38%	66%	100%	235	20%	38%	96%	299	11%	23%	94%	421	4%	10%	84%	MR80-02CIH25	MR80-02	-	-
	0.22	50	3.3-13	2.2-8.8	1.6-6.6	1.3-5.3	1.1-4.4	155	42%	69%	100%	217	24%	43%	97%	279	13%	27%	95%	396	5%	12%	86%	DR80-02CIH25	DR80-02	-	-
	0.24	60	3.6-14	2.4-9.6	1.8-7.2	1.4-5.8	1.2-4.8	150	44%	72%	100%	204	27%	48%	98%	263	15%	31%	95%	376	6%	13%	88%	50 MESH - RED		40250-00CIH25	40250-00
	0.26	70	3.9-16	2.6-10	1.9-7.8	1.6-6.2	1.3-5.2	146	47%	74%	99%	194	29%	52%	98%	251	17%	34%	95%	361	7%	15%	89%				
025	0.17	20	2.6-10	1.7-6.9	1.3-5.2	1.0-4.1	0.9-3.5	234	17%	37%	100%	344	6%	14%	89%	-	-	-	-	-	-	-	-	ER80-025CIH25	ER80-025	-	-
	0.21	30	3.2-13	2.1-8.5	1.6-6.3	1.3-5.1	1.1-4.2	210	23%	45%	100%	299	11%	23%	92%	429	4%	10%	80%	463	3%	7%	77%	SR80-025CIH25	SR80-025	-	-
	0.25	40	3.7-15	2.4-9.8	1.8-7.3	1.5-5.9	1.2-4.9	195	28%	51%	100%	270	15%	29%	94%	386	6%	14%	84%	432	4%	10%	80%	MR80-025CIH25	MR80-025	-	-
	0.28	50	4.1-16	2.7-11	2.0-8.2	1.6-6.6	1.4-5.5	184	31%	55%	100%	250	18%	34%	95%	356	8%	17%	87%	410	5%	12%	83%	DR80-025CIH25	DR80-025	-	-
	0.30	60	4.5-18	3.0-12	2.2-9.0	1.8-7.2	1.5-6.0	175	34%	59%	100%	235	20%	38%	96%	333	9%	19%	88%	393	6%	13%	84%	50 MESH - RED		40250-00CIH25	40250-00
	0.33	70	4.8-19	3.2-13	2.4-9.7	1.9-7.8	1.6-6.5	168	36%	62%	100%	223	22%	42%	97%	315	10%	21%	90%	379	7%	14%	86%				
03	0.21	20	3.1-12	2.1-8.2	1.5-6.2	1.2-4.9	1.0-4.1	251	17%	38%	99%	406	4%	9%	86%	-	-	-	-	-	-	-	-	ER80-03CIH25	ER80-03	-	-
	0.26	30	3.8-15	2.5-10	1.9-7.6	1.5-6.1	1.3-5.1	230	22%	44%	99%	349	9%	17%	89%	437	4%	10%	80%	485	3%	7%	71%	SR80-03CIH25	SR80-03	-	-
	0.29	40	4.4-17	2.9-12	2.2-8.7	1.7-7.0	1.5-5.8	217	26%	49%	99%	314	12%	22%	91%	395	6%	13%	85%	451	4%	9%	76%	MR80-03CIH25	MR80-03	-	-
	0.33	50	4.9-20	3.3-13	2.4-9.8	2.0-7.8	1.6-6.5	207	29%	52%	99%	289	14%	27%	92%	364	8%	16%	87%	426	5%	11%	80%	DR80-03CIH25	DR80-03	-	-
	0.36	60	5.4-21	3.6-14	2.7-11	2.1-8.6	1.8-7.1	199	31%	55%	99%	270	16%	30%	93%	341	9%	18%	89%	406	6%	13%	82%	50 MESH - RED		40250-00CIH25	40250-00
	0.39	70	5.8-23	3.9-15	2.9-12	2.3-9.3	1.9-7.7	192	33%	57%	99%	255	18%	33%	93%	323	10%	20%	90%	391	7%	14%	84%				
04	0.27	20	4.1-16	2.7-11	2-8.1	1.6-6.5	1.4-5.4	254	16%	33%	99%	409	3%	10%	83%	-	-	-	-	-	-	-	-	ER80-04CIH25	ER80-04	-	-
	0.34	30	50-20	3.3-13	2.5-10	2.0-8.0	1.7-6.6	233	20%	39%	99%	352	6%	18%	86%	428	5%	11%	79%	551	2%	4%	60%	SR80-04CIH25	SR80-04	-	-
	0.39	40	5.8-23	3.8-15	2.9-12	2.3-9.2	1.9-7.7	219	23%	44%	99%	317	9%	23%	89%	393	7%	14%	83%	515	3%	6%	67%	MR80-04CIH25	MR80-04	-	-
	0.43	50	6.4-26	4.3-17	3.2-13	2.6-10	2.1-8.6	209	25%	47%	99%	292	11%	27%	90%	367	8%	17%	86%	488	3%	8%	71%	DR80-04CIH25	DR80-04	-	-
	0.47	60	7.0-28	4.7-19	3.5-14	2.8-11	2.3-9.4	201	27%	50%	99%	274	13%	30%	91%	348	10%	19%	87%	467	4%	9%	74%	50 MESH - RED		40250-00CIH25	40250-00
	0.51	70	7.6-30	5.1-20	3.8-15	3.0-12	2.5-10	195	29%	52%	99%	259	14%	33%	92%	332	11%	21%	89%	450	5%	10%	76%				
05	0.34	20	5.0-20	3.3-13	2.5-10	2.0-8.0	1.7-6.7	303	10%	22%	95%	462	2%	6%	77%	-	-	-	-	-	-	-	-	ER80-05CIH25	ER80-05	-	-
	0.41	30	6.1-24	4.1-16	3.1-12	2.4-9.8	2.0-8.2	274	15%	29%	95%	396	6%	13%	82%	517	3%	6%	65%	587	1%	3%	53%	SR80-05CIH25	SR80-05	-	-
	0.48	40	7.1-28	4.7-19	3.5-14	2.8-11	2.4-9.4	255	19%	34%	95%	355	9%	18%	85%	478	4%	8%	71%	551	2%	5%	60%	MR80-05CIH25	MR80-05	-	-
	0.53	50	7.9-32	5.3-21	4.0-16	3.2-13	2.6-11	241	21%	38%	95%	326	11%	22%	87%	450	5%	10%	75%	524	3%	6%	65%	DR80-05CIH25	DR80-05	-	-
	0.58	60	8.7-35	5.8-23	4.3-17	3.5-14	2.9-12	230	23%	41%	95%	305	13%	25%	88%	428	5%	12%	78%	503	3%	7%	68%	50 MESH - RED		40250-00CIH25	40250-00
	0.63	70	9.3-37	6.2-25	4.7-19	3.7-15	3.1-12	221	25%	44%	95%	287	14%	28%	89%	410	6%	13%	80%	486	4%	8%	71%				
06	0.40	20	5.9-24	3.9-16	2.9-12	2.4-9.4	2.0-8.0	331	11%	18%	92%	483	2%	6%	72%	-	-	-	-	-	-	-	-	ER80-06CIH25	ER80-06	-	-
	0.48	30	7.2-29	4.8-19	3.6-14	2.9-12	2.4-10	305	15%	24%	91%	435	4%	10%	79%	544	2%	5%	61%	613	1%	3%	48%	SR80-06CIH25	SR80-06	-	-
	0.56	40	8.3-33	5.5-22	4.2-17	3.3-13	2.8-11	287	18%	27%	91%	404	6%	13%	82%	509	3%	7%	67%	579	2%	5%	54%	MR80-06CIH25	MR80-06	-	-
	0.63	50	9.3-37	6.2-25	4.6-19	3.7-15	3.1-12	275	21%	30%	91%	382	7%	15%	85%	483	4%	8%	71%	555	2%	6%	58%	DR80-06CIH25	DR80-06	-	-
	0.69	60	10-41	6.8-27	5.1-20	4.1-16	3.4-14	265	23%	33%	90%	364	8%	17%	87%	463	4%	9%	74%	535	3%	7%	61%	50 MESH - RED		40250-00CIH25	40250-00
	0.74	70	11-44	7.3-29	5.5-22	4.4-18	3.7-15	256	24%	35%	90%	350	9%	19%	88%	447	5%	10%	76%	519	3%	8%	64%				

Droplet Categories as per ASABE S572.1 Classification (2009-current)*

- Extremely Fine <50
- Very Fine 51-136µ
- Fine 137-177µ
- Medium 178-218µ
- Coarse 219-349µ
- Very Coarse 350-428µ
- Extremely Coarse 429-622µ
- Ultra Coarse >623µ

VMD

Volume Median Diameter

Size of the median droplet (in µ) for a sprayed volume. Half of the volume is made up of droplets smaller than the VMD; half is made up of droplets larger.

% <141µ

% Driftable Fines

Percentage of volume which is likely to drift. 141µ is now replacing 200µ as the new standard for driftable fines.

% <200µ

% Driftable Fines

Percentage of volume which is likely to drift. 200µ is shown for reference. 141µ is used as the new standard for dritable fines.

% <600µ

% Useful Droplets

Percentage of volume which is made up of 'useful' droplets. As the distribution of useful droplets lowers, coverage is reduced.

Strainer Mesh & Tips

Recommended Strainer mesh

Mesh of strainer determined by the size of a tip. For larger tips (08+), strainers are not required. For PWM systems, typically 80 mesh inline strainers are used as well.

COMBO-JET® — 80° TIP-CAP PERFORMANCE SPECIFICATIONS FOR PWM SYSTEMS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressures are higher than in standard spray systems.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 20, 25, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.
5. Standard PWM systems have inherent flow capacity up to 1.5 US Gallons/Min

Recommended pressure varies with each size of tip

Recommended pressure varies with each size of tip

Recommended pressure varies with each size of tip

Recommended pressure varies with each size of tip

TIP CAP NO.	FLOW RATE USGPM	PSI	SPRAYER SPEED RANGE (ROUNDED) @ APPLICATION RATE (US GALLONS/ACRE)					VMD (DROPLET SIZE IN µ); %<141µ (DRIFT %); %<200µ (DRIFT %); %<600µ (SMALL DROPLETS)														TIP-CAP	
								80° ER SERIES				80° SR SERIES				80° MR SERIES				80° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	STRAINER NOT REQ'D	
	0.62	30	9.1-37	6.1-24	4.6-18	3.7-15	3.0-12	345	14%	26%	88%	524	6%	10%	52%	575	5%	8%	58%	649	2%	3%	46%	ER80-08CIH25	ER80-08
	0.71	40	11-42	7.0-28	5.3-21	4.2-17	3.5-14	311	18%	30%	91%	482	8%	13%	60%	532	7%	11%	65%	613	3%	5%	53%	SR80-08CIH25	SR80-08
08	0.79	50	12-47	7.9-31	5.9-24	4.7-19	3.9-16	287	20%	34%	92%	450	9%	15%	66%	501	8%	14%	69%	586	4%	7%	57%	MR80-08CIH25	MR80-08
	0.87	60	13-52	8.6-34	6.5-26	5.2-21	4.3-17	269	23%	37%	94%	424	10%	16%	70%	477	9%	16%	72%	565	4%	8%	61%	DR80-08CIH25	DR80-08
	0.94	70	14-56	9.3-37	7.0-28	5.6-22	4.7-19	254	25%	39%	94%	402	11%	17%	73%	458	10%	17%	75%	548	5%	9%	63%	-	-
	0.73	30	11-43	7.2-29	5.4-22	4.3-17	3.6-14	450	9%	16%	78%	560	5%	8%	44%	589	4%	6%	56%	648	3%	4%	46%	ER80-10CIH25	ER80-10
	0.84	40	12-50	8.3-33	6.2-25	5.0-20	4.2-17	412	11%	20%	81%	520	6%	10%	54%	553	5%	8%	61%	618	4%	6%	51%	SR80-10CIH25	SR80-10
10	0.94	50	14-56	9.3-37	7.0-28	5.6-22	4.7-19	385	13%	23%	83%	489	7%	12%	60%	527	6%	10%	65%	595	5%	7%	55%	MR80-10CIH25	MR80-10
	1.03	60	15-61	10-41	7.6-31	6.1-24	5.1-20	364	15%	25%	85%	464	8%	13%	64%	507	6%	12%	68%	577	5%	8%	58%	DR80-10CIH25	DR80-10
	1.11	70	17-66	11-44	8.3-33	6.6-26	5.5-22	348	16%	27%	86%	442	9%	15%	67%	490	7%	13%	70%	562	6%	9%	60%	-	-
	0.84	30	13-50	8.3-33	6.3-25	5.0-20	4.2-17	470	9%	16%	75%	569	5%	8%	43%	638	3%	5%	47%	678	3%	4%	42%	ER80-125CIH25	ER80-125
	0.97	40	14-58	9.6-39	7.2-29	5.8-23	4.8-19	436	10%	19%	78%	535	6%	10%	50%	607	4%	7%	52%	647	3%	5%	47%	SR80-125CIH25	SR80-125
125	1.09	50	16-65	11-43	8.1-32	6.5-26	5.4-22	412	11%	21%	81%	508	7%	11%	55%	584	5%	9%	56%	623	4%	6%	50%	MR80-125CIH25	MR80-125
	1.19	60	18-71	12-47	8.8-35	7.1-28	5.9-24	393	12%	22%	83%	486	8%	12%	59%	566	6%	10%	59%	605	4%	7%	53%	DR80-125CIH25	DR80-125
	1.29	70	19-76	13-51	9.6-38	7.6-31	6.4-25	377	13%	24%	84%	467	8%	14%	62%	551	6%	11%	61%	589	5%	8%	55%	-	-
	0.93	30	14-55	9.2-37	6.9-28	5.5-22	4.6-18	499	5%	11%	74%	633	4%	6%	30%	596	4%	7%	55%	718	1%	1%	34%	ER80-15CIH25	ER80-15
	1.08	40	16-64	11-43	8.0-32	6.4-26	5.3-21	459	7%	14%	76%	599	5%	7%	38%	558	5%	10%	61%	682	2%	2%	41%	SR80-15CIH25	SR80-15
15	1.20	50	18-72	12-48	8.9-36	7.2-29	6.0-24	430	9%	17%	78%	572	5%	8%	44%	530	6%	11%	64%	655	2%	3%	45%	MR80-15CIH25	MR80-15
	1.32	60	20-78	13-52	9.8-39	7.8-31	6.5-26	408	10%	19%	79%	550	6%	9%	48%	509	7%	13%	67%	634	3%	4%	49%	DR80-15CIH25	DR80-15
	1.43	70	21-85	14-56	11-42	8.5-34	7.1-28	390	12%	21%	80%	531	6%	10%	51%	491	8%	14%	69%	616	3%	5%	51%	-	-

*Droplet categories: The above chart is based on the ASABE Standard 572.1. Refer to chemical label to check whether ASABE S572 or 572.1 categories should be followed.

Droplet Categories as per ASABE S572.1 Classification (2009-current)*

Extremely Fine	Very Fine	Fine	Medium	Coarse	Very Coarse	Extremely Coarse	Ultra Coarse
<50	51-136µ	137-177µ	178-218µ	219-349µ	350-428µ	429-622µ	>623µ

Droplet Categories as per ASABE S572 Classification (Pre-2009)*

Very Fine	Fine	Medium	Coarse	Very Coarse	Extremely Coarse
<150µ	150-250µ	250-350µ	350-450µ	450-550µ	>550µ

Recommended Pressure
Pressure Range for Tips

For PWM systems, the pressure loss through system components is accounted for in these charts. Additional solenoid wear may occur for pressures above 60PSI.

ASABE Droplet Categories
Color Classifications

The colors associated with the VMD is based on an ASABE standard for droplet size categorization. See categories and colors above.

Duty Cycles
Effective run time of PWM

Since PWM systems hold pressure constant, they adjust rates by the length of time the solenoids stay open (the duty cycle). Duty cycle is calculated by dividing your current speed into the max speed for that tip. Ideal duty cycles are 40-70%.

Pre-orifice Length & Color
Differences in tip pre-orifices

Pre-orifice color and length vary for some tips. SR-series pre-orifices will vary in color from the color of the cap. MR & DR pre-orifices will be the same color as the cap. Pre-orifices for high volume tips use a longer pre-orifice.

Using Tip Wizard
Same search, different results

PWM systems use plumbing components that cause differences in pressure loss when compared to standard spray systems. Tip Wizard accounts for those pressure drops, but also provides crucial duty cycle information as well.

MULTI-TIP SPRAYING WITH PULSE WIDTH MODULATION TECHNOLOGY

Pulse Width Modulation (PWM) gives the farmer the ability to hold constant the boom tip pressure; therefore, holding the droplet size constant as well. This works well with multi-tip spraying as well.

As a standard, PWM systems use one solenoid per nozzle body. For best utilization of PWM technology, a dual tip adapter (Photo A) is used.

Spraying with two sperate outlets (Photo B) is possible, but the outlet not tied to a solenoid will only be controlled by the auto-rate controller.

To use Tip Wizard to help select a dual-tip setup, simply split up the flow up into two (or more) parts and ensure the tips operate within the same duty cycle range and pressures.

A B

Example Rate: 10 US Gallons/Acre; **Speed:** 15 MPH; **Nozzle Spacing:** 20"; **Target Droplet Size:** 400 microns (Systemic Herbicide)

If the total application is 10GPA, the effective rates per tip must add up to 10GPA. For simplicity, split the flow in equal parts; for example, two tips applying 5GPA. While consulting the tip charts, a suitable choice might be the MR80-04 at 40PSI, and effective volume of 5 USG/Acre per tip. The droplet size is right around 400microns, and travel speed at max speed (15MPH) is roughly 70% duty cycle.

COMBO-JET® — 110° TIP-CAP PERFORMANCE SPECIFICATIONS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressure ranges for Tip-Caps are shown.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.

Recommended Pressure: 20-70 PSI

Recommended Pressure: 20-100 PSI

Recommended Pressure: 25-100 PSI

Recommended Pressure: 30-100 PSI

TIP CAP NO.	FLOW RATE USGPM	PSI	APPLICATION RATE - US GALLONS / ACRE @ SPRAYER SPEED - MILES / HOUR							VMD (DROPLET SIZE IN µ); %<141µ (DRIFT %); %<200µ (DRIFT %); %<600µ (SMALL DROPLETS)														TIP-CAP		STRAINER	
										110° ER SERIES				110° SR SERIES				110° MR SERIES				110° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.	CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	17.5	20.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	STRAINER NOT REQ'D			
01	0.07	20	4.2	2.8	2.1	1.7	1.4	1.2	1.1	148	45%	84%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-01CIH25	ER110-01	-	-
	0.09	30	5.1	3.4	2.6	2.1	1.7	1.5	1.3	140	51%	87%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	SR110-01	-	-
	0.10	40	5.9	4.0	3.0	2.4	2.0	1.7	1.5	133	56%	90%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	MR110-01	-	-
	0.11	50	6.6	4.4	3.3	2.7	2.2	1.9	1.7	128	59%	91%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	DR110-01	-	-
	0.12	60	7.3	4.8	3.6	2.9	2.4	2.1	1.8	124	62%	93%	100%	-	-	-	-	-	-	-	-	-	-	-	-	100 MESH - GREEN		40251-00CIH25	40251-00
	0.13	70	7.9	5.2	3.9	3.1	2.6	2.2	2.0	121	65%	94%	100%	-	-	-	-	-	-	-	-	-	-	-	-				
015	0.11	20	6.3	4.2	3.2	2.5	2.1	1.8	1.6	153	40%	77%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-015CIH25	ER110-015	-	-
	0.13	30	7.7	5.1	3.9	3.1	2.6	2.2	1.9	145	47%	81%	100%	215	24%	45%	98%	322	11%	22%	94%	366	7%	15%	92%	SR110-015CIH25	SR110-015	-	-
	0.15	40	8.9	5.9	4.5	3.6	3.0	2.5	2.2	139	52%	84%	100%	199	28%	51%	98%	277	16%	30%	97%	328	10%	20%	94%	MR110-015CIH25	MR110-015	-	-
	0.17	50	10.0	6.6	5.0	4.0	3.3	2.8	2.5	134	55%	86%	100%	187	32%	55%	98%	247	20%	36%	99%	301	12%	24%	95%	DR110-015CIH25	DR110-015	-	-
	0.18	60	10.9	7.3	5.5	4.4	3.6	3.1	2.7	131	58%	87%	100%	177	34%	59%	98%	225	23%	41%	99%	281	14%	27%	96%	100 MESH - GREEN		40251-00CIH25	40251-00
	0.20	70	11.8	7.9	5.9	4.7	3.9	3.4	2.9	128	61%	89%	100%	169	37%	62%	98%	208	25%	46%	99%	265	15%	30%	97%				
02	0.14	20	8.4	5.6	4.2	3.4	2.8	2.4	2.1	173	32%	62%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-02CIH25	ER110-02	-	-
	0.17	30	10.3	6.9	5.1	4.1	3.4	2.9	2.6	160	39%	69%	100%	219	23%	44%	99%	315	12%	23%	95%	431	5%	10%	82%	SR110-02CIH25	SR110-02	-	-
	0.20	40	11.9	7.9	5.9	4.8	4.0	3.4	3.0	151	45%	74%	100%	206	26%	48%	99%	279	15%	30%	97%	392	7%	14%	87%	MR110-02CIH25	MR110-02	-	-
	0.22	50	13.3	8.9	6.6	5.3	4.4	3.8	3.3	144	49%	77%	100%	196	29%	52%	99%	254	19%	35%	97%	361	8%	16%	90%	-	DR110-02	-	-
	0.24	60	14.5	9.7	7.3	5.8	4.8	4.2	3.6	138	52%	80%	100%	188	31%	55%	99%	235	21%	39%	98%	336	9%	19%	92%	50 MESH - RED		40250-00CIH25	40250-00
	0.26	70	15.7	10.5	7.9	6.3	5.2	4.5	3.9	133	55%	83%	100%	181	33%	58%	99%	220	23%	42%	98%	315	10%	21%	93%				
025	0.18	20	10.5	7.0	5.3	4.2	3.5	3.0	2.6	194	28%	54%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-025CIH25	ER110-025	-	-
	0.22	30	12.9	8.6	6.4	5.1	4.3	3.7	3.2	186	29%	56%	100%	236	20%	38%	98%	350	9%	18%	91%	434	5%	10%	80%	SR110-025CIH25	SR110-025	-	-
	0.25	40	14.9	9.9	7.4	5.9	5.0	4.2	3.7	181	30%	58%	100%	222	23%	43%	98%	320	11%	22%	93%	398	7%	14%	86%	MR110-025CIH25	MR110-025	-	-
	0.28	50	16.6	11.1	8.3	6.6	5.5	4.7	4.2	176	30%	59%	100%	211	25%	46%	98%	296	13%	26%	95%	370	8%	16%	89%	-	DR110-025	-	-
	0.31	60	18.2	12.1	9.1	7.3	6.1	5.2	4.5	173	31%	60%	100%	203	27%	49%	98%	277	15%	29%	96%	347	9%	18%	92%	50 MESH - RED		40250-00CIH25	40250-00
	0.33	70	19.6	13.1	9.8	7.9	6.5	5.6	4.9	170	31%	61%	100%	195	29%	52%	98%	261	17%	31%	96%	328	10%	20%	93%				
03	0.21	20	12.6	8.4	6.3	5.0	4.2	3.6	3.2	198	27%	51%	99%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-03CIH25	ER110-03	-	-
	0.26	30	15.4	10.3	7.7	6.2	5.1	4.4	3.9	183	31%	56%	99%	303	11%	24%	95%	394	6%	13%	86%	479	4%	8%	74%	SR110-03CIH25	SR110-03	-	-
	0.30	40	17.8	11.9	8.9	7.1	5.9	5.1	4.5	173	35%	60%	98%	279	15%	29%	96%	360	9%	17%	91%	443	5%	10%	80%	MR110-03CIH25	MR110-03	-	-
	0.34	50	19.9	13.3	10.0	8.0	6.6	5.7	5.0	165	37%	63%	98%	260	17%	33%	97%	333	10%	20%	93%	414	6%	12%	84%	DR110-03CIH25	DR110-03	-	-
	0.37	60	21.8	14.5	10.9	8.7	7.3	6.2	5.5	159	39%	65%	97%	244	19%	37%	97%	311	12%	23%	94%	391	6%	14%	86%	50 MESH - RED		40250-00CIH25	40250-00
	0.40	70	23.6	15.7	11.8	9.4	7.9	6.7	5.9	153	41%	67%	97%	231	21%	40%	98%	292	13%	25%	95%	371	7%	15%	88%				
04	0.28	20	16.8	11.2	8.4	6.7	5.6	4.8	4.2	240	18%	36%	97%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-04CIH25	ER110-04	-	-
	0.35	30	20.6	13.7	10.3	8.2	6.9	5.9	5.1	225	22%	42%	97%	314	11%	22%	94%	416	5%	11%	84%	510	3%	7%	69%	SR110-04CIH25	SR110-04	-	-
	0.40	40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	215	24%	45%	96%	288	14%	27%	95%	377	7%	15%	89%	469	4%	9%	76%	MR110-04CIH25	MR110-04	-	-
	0.45	50	26.6	17.7	13.3	10.6	8.9	7.6	6.6	206	26%	48%	96%	269	16%	31%	96%	346	8%	18%	92%	438	5%	11%	80%	DR110-04CIH25	DR110-04	-	-
	0.49	60	29.1	19.4	14.5	11.6	9.7	8.3	7.3	199	28%	51%	96%	253	17%	34%	96%	321	9%	20%	94%	412	6%	12%	83%	50 MESH - RED		40250-00CIH25	40250-00
	0.53	70	31.4	21.0	15.7	12.6	10.5	9.0	7.9	194	29%	53%	95%	239	19%	37%	97%	300	10%	22%	95%	391	6%	13%	85%				
05	0.35	20	21.0	14.0	10.5	8.4	7.0	6.0	5.3	248	18%	36%	95%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-05CIH25	ER110-05	-	-
	0.43	30	25.7	17.1	12.9	10.3	8.6	7.3	6.4	226	22%	41%	95%	355	8%	17%	91%	486	3%	8%	72%	530	2%	5%	63%	SR110-05CIH25	SR110-05	-	-
	0.50	40	29.7	19.8	14.9	11.9	9.9	8.5	7.4	212	26%	46%	95%	322	11%	22%	93%	445	5%	10%	78%	503	3%	6%	68%	MR110-05CIH25	MR110-05	-	-
	0.56	50	33.2	22.1	16.6	13.3	11.1	9.5	8.3	202	28%	49%	95%	296	13%	26%	95%	412	6%	12%	82%	482	3%	7%	72%	DR110-05CIH25	DR110-05	-	-
	0.61	60	36.4	24.2	18.2	14.5	12.1	10.4	9.1	194	30%	52%	95%	275	15%	29%	96%	386	7%	14%	85%	465	3%	8%	74%	50 MESH - RED		40250-00CIH25	40250-00
	0.66	70	39.3	26.2	19.6	15.7	13.1	11.2	9.8	187	32%	54%	95%	257	16%	32%	96%	364	7%	16%	87%	451	4%	9%	76%				
06	0.42	20	25.2	16.8	12.6	10.1	8.4	7.2	6.3	282	14%	28%	94%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-06CIH25	ER110-06	-	-
	0.52	30	30.9	20.6	15.4	12.3	10.3	8.8	7.7	261	18%	34%	94%	416	6%	13%	84%	507	3%	7%	68%	565	2%	4%	57%	SR110-06CIH25	SR110-06	-	-
	0.60	40	35.6	23.8	17.8	14.3	11.9	10.2	8.9	246	20%	38%	94%	371	8%	17%	89%	474	4%	9%	74%	529	2%	6%	64%	MR110-06CIH25	MR110-06	-	-
	0.67	50	39.8	26.6	19.9	15.9	13.3	11.4	10.0	235	22%	41%	95%	337	10%	21%	92%	448	4%	10%	78%	501	3%	7%	68%	DR110-06CIH25	DR110-06	-	-
	0.73	60	43.6	29.1	21.8	17.5	14.5	12.5	10.9	225	24%	43%	95%	308	12%	24%	93%	427	5%	11%	81%	478	3%	7%	71%	50 MESH - RED		40250-00CIH25	40250-00
	0.79	70	47.1	31.4	23.6	18.9	15.7	13.5	11.8	217	25%	45%	95%	284	13%	26%	94%	409	5%	12%	83%	459	3%	8%	74%				

Droplet Categories as per ASABE S572.1 Classification (2009-current)*

- Extremely Fine <50
- Very Fine 51-136µ
- Fine 137-177µ
- Medium 178-218µ
- Coarse 219-349µ
- Very Coarse 350-428µ
- Extremely Coarse 429-622µ
- Ultra Coarse >623µ

VMD
Volume Median Diameter
Size of the median droplet (in µ) for a sprayed volume. Half of the volume is made up of droplets smaller than the VMD; half is made up of droplets larger.

% <141µ
% Driftable Fines
Percentage of volume which is likely to drift. 141µ is now replacing 200µ as the new standard for driftable fines.

% <200µ
% Driftable Fines
Percentage of volume which is likely to drift. 200µ is shown for reference. 141µ is used as the new standard for dritable fines.

% <600µ
% Useful Droplets
Percentage of volume which is made up of 'useful' droplets. As the distribution of useful droplets lowers, coverage is reduced.

Strainer Mesh & Tips
Recommended Strainer mesh
Mesh of strainer determined by the size of a tip. For larger tips (08+), strainers are not required.

COMBO-JET® – 110° HIGH FLOW TIP-CAP PERFORMANCE SPECIFICATIONS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressure ranges for Tip-Caps are shown.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.

Recommended Pressure: 20-70 PSI

Recommended Pressure: 20-100 PSI

Recommended Pressure: 25-100 PSI

Recommended Pressure: 30-100 PSI

TIP CAP NO.	FLOW RATE USGPM	PSI	APPLICATION RATE - US GALLONS / ACRE @ SPRAYER SPEED - MILES / HOUR							VMD (DROPLET SIZE IN µ); %<141µ (DRIFT %); %<200µ (DRIFT %); %<600µ (SMALL DROPLETS)														TIP-CAP	
										110° ER SERIES				110° SR SERIES				110° MR SERIES				110° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	17.5	20.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	STRAINER NOT REQ'D	
08	0.57	20	28.0	24.0	21.0	16.8	14.0	12.0	10.5	327	14%	26%	91%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-08CIH25	ER110-08
	0.69	30	34.3	29.4	25.7	20.6	17.1	14.7	12.9	290	17%	32%	93%	453	6%	12%	67%	531	4%	8%	53%	614	3%	5%	40%	SR110-08CIH25	SR110-08
	0.80	40	39.6	33.9	29.7	23.8	19.8	17.0	14.9	264	20%	36%	95%	408	7%	15%	74%	483	5%	10%	61%	569	4%	6%	47%	MR110-08CIH25	MR110-08
	0.89	50	44.3	37.9	33.2	26.6	22.1	19.0	16.6	244	22%	39%	95%	374	9%	17%	79%	446	6%	12%	67%	534	4%	7%	51%	DR110-08CIH25	DR110-08
	0.98	60	48.5	41.6	36.4	29.1	24.2	20.8	18.2	228	23%	42%	96%	346	10%	18%	82%	416	7%	13%	70%	506	4%	8%	55%	-	-
	1.06	70	52.4	44.9	39.3	31.4	26.2	22.5	19.6	214	25%	44%	97%	322	11%	19%	84%	391	7%	14%	73%	482	5%	9%	57%	-	-
10	0.71	20	35.0	30.0	26.3	21.0	17.5	15.0	13.1	362	10%	24%	88%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-10CIH25	ER110-10
	0.87	30	42.9	36.7	32.2	25.7	21.4	18.4	16.1	325	14%	29%	90%	470	6%	11%	62%	523	4%	8%	53%	672	3%	4%	32%	SR110-10CIH25	SR110-10
	1.00	40	49.5	42.4	37.1	29.7	24.8	21.2	18.6	298	17%	33%	92%	424	7%	14%	70%	478	5%	9%	59%	635	3%	5%	37%	MR110-10CIH25	MR110-10
	1.12	50	55.3	47.4	41.5	33.2	27.7	23.7	20.8	277	19%	35%	93%	388	8%	16%	75%	442	6%	10%	64%	606	4%	6%	40%	DR110-10CIH25	DR110-10
	1.22	60	60.6	52.0	45.5	36.4	30.3	26.0	22.7	260	21%	38%	94%	358	9%	17%	79%	413	6%	12%	67%	583	4%	7%	43%	-	-
	1.32	70	65.5	56.1	49.1	39.3	32.7	28.1	24.6	246	22%	40%	94%	333	10%	18%	81%	388	7%	12%	70%	563	5%	7%	45%	-	-
12.5	0.88	20	43.8	37.5	32.8	26.3	21.9	18.8	16.4	421	9%	14%	60%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-125CIH25	ER110-125
	1.08	30	53.6	45.9	40.2	32.2	26.8	23.0	20.1	383	10%	15%	65%	471	5%	10%	62%	618	4%	6%	39%	618	3%	7%	39%	SR110-125CIH25	SR110-125
	1.25	40	61.9	53.0	46.4	37.1	30.9	26.5	23.2	357	11%	16%	68%	423	6%	13%	70%	571	4%	7%	47%	599	4%	7%	41%	MR110-125CIH25	MR110-125
	1.40	50	69.2	59.3	51.9	41.5	34.6	29.6	25.9	336	12%	16%	70%	386	7%	15%	74%	535	5%	8%	52%	588	4%	7%	42%	DR110-125CIH25	DR110-125
	1.53	60	75.8	65.0	56.8	45.5	37.9	32.5	28.4	319	13%	17%	72%	355	7%	16%	78%	506	5%	9%	55%	580	5%	8%	43%	-	-
	1.65	70	81.9	70.2	61.4	49.1	40.9	35.1	30.7	305	14%	17%	73%	329	8%	18%	80%	481	6%	10%	58%	575	5%	8%	44%	-	-
15	1.06	20	52.5	45.0	39.4	31.5	26.3	22.5	19.7	438	8%	15%	64%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-15CIH25	ER110-15
	1.30	30	64.3	55.1	48.2	38.6	32.2	27.6	24.1	398	10%	18%	72%	538	5%	8%	51%	608	4%	7%	40%	659	3%	5%	40%	SR110-15CIH25	SR110-15
	1.50	40	74.3	63.6	55.7	44.6	37.1	31.8	27.8	370	12%	19%	76%	496	6%	10%	58%	574	4%	8%	45%	624	4%	6%	46%	MR110-15CIH25	MR110-15
	1.68	50	83.0	71.2	62.3	49.8	41.5	35.6	31.1	348	13%	21%	79%	463	6%	11%	64%	548	5%	8%	49%	597	4%	7%	50%	DR110-15CIH25	DR110-15
	1.84	60	90.9	77.9	68.2	54.6	45.5	39.0	34.1	330	14%	22%	81%	436	7%	12%	67%	527	5%	9%	52%	575	4%	8%	53%	-	-
	1.98	70	98.2	84.2	73.7	58.9	49.1	42.1	36.8	315	15%	23%	82%	413	7%	13%	70%	508	5%	9%	54%	556	4%	8%	55%	-	-
20	1.41	20	70.0	60.0	52.5	42.0	35.0	30.0	26.3	497	7%	11%	56%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-20CIH25	ER110-20
	1.73	30	85.7	73.5	64.3	51.4	42.9	36.7	32.2	453	8%	13%	64%	471	6%	10%	55%	593	4%	7%	42%	-	-	-	-	SR110-20CIH25	SR110-20
	2.00	40	99.0	84.9	74.3	59.4	49.5	42.4	37.1	422	9%	15%	68%	423	6%	12%	62%	557	5%	8%	48%	-	-	-	-	MR110-20CIH25	MR110-20
	2.24	50	110.7	94.9	83.0	66.4	55.3	47.4	41.5	399	9%	16%	72%	386	7%	13%	67%	529	6%	9%	52%	-	-	-	-	-	-
	2.45	60	121.2	103.9	90.9	72.7	60.6	52.0	45.5	379	10%	17%	74%	355	8%	14%	70%	506	6%	10%	55%	-	-	-	-	-	-
	2.65	70	131.0	112.3	98.2	78.6	65.5	56.1	49.1	362	10%	18%	76%	329	8%	15%	73%	487	6%	11%	57%	-	-	-	-	-	-
25	1.77	20	87.5	75.0	65.6	52.5	43.8	37.5	32.8	495	6%	10%	54%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-25CIH25	ER110-25
	2.17	30	107.2	91.9	80.4	64.3	53.6	45.9	40.2	453	7%	12%	65%	538	6%	10%	56%	-	-	-	-	-	-	-	-	SR110-25CIH25	SR110-25
	2.50	40	123.8	106.1	92.8	74.3	61.9	53.0	46.4	422	7%	13%	71%	496	6%	11%	62%	-	-	-	-	-	-	-	-	-	-
	2.80	50	138.4	118.6	103.8	83.0	69.2	59.3	51.9	399	8%	14%	74%	463	7%	13%	66%	-	-	-	-	-	-	-	-	-	-
	3.06	60	151.6	129.9	113.7	90.9	75.8	65.0	56.8	380	8%	15%	77%	436	8%	14%	69%	-	-	-	-	-	-	-	-	-	-
	3.31	70	163.7	140.3	122.8	98.2	81.9	70.2	61.4	364	8%	15%	79%	413	8%	14%	71%	-	-	-	-	-	-	-	-	-	-

*Droplet categories: The above chart is based on the ASABE Standard 572.1. Refer to chemical label to check whether ASABE S572 or 572.1 categories should be followed.

Droplet Categories as per **ASABE S572.1** Classification (2009-current)*

Extremely Fine	Very Fine	Fine	Medium	Coarse	Very Coarse	Extremely Coarse	Ultra Coarse
<50	51-136µ	137-177µ	178-218µ	219-349µ	350-428µ	429-622µ	>623µ

Droplet Categories as per **ASABE S572** Classification (Pre-2009)*

Very Fine	Fine	Medium	Coarse	Very Coarse	Extremely Coarse
<150µ	150-250µ	250-350µ	350-450µ	450-550µ	>550µ

Recommended Pressure

Pressure Range for Tips

For applications which require a uniform pattern, the recommended pressure range is provided.

ASABE Droplet Categories

Color Classifications

The colors associated with the VMD is based on an ASABE standard for droplet size categorization. See categories and colors above.

Combo-Jet® Adapters

Square Lug Compatibility

Combo-Jet® tip-caps use a radialock o-ring seal to secure the cap to the nozzle body. An adapter can be used to mount a radialock cap on a non-radialock nozzle body.

Pre-orifice Length & Color

Differences in tip pre-orifices

Pre-orifice color and length vary for some tips. SR-series pre-orifices will vary in color from the color of the cap. MR & DR pre-orifices will be the same color as the cap. Pre-orifices for high volume tips use a longer pre-orifice.

COMBO-JET® — 110° TIP-CAP PERFORMANCE SPECIFICATIONS FOR PWM SYSTEMS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressures are higher than in standard spray systems.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 20, 25, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.
5. Standard PWM systems have inherent flow capacity up to 1.5 US Gallons/Min

Recommended Pressure: 25-70 PSI

Recommended Pressure: 30-100 PSI

Recommended Pressure: 30-100 PSI

Recommended Pressure: 35-100 PSI

TIP CAP NO.	FLOW RATE USGPM	PSI	SPRAYER SPEED RANGE (ROUNDED) @ APPLICATION RATE (US GALLONS/ACRE)					VMD (DROPLET SIZE IN μ); %<141μ (DRIFT %); %<200μ (DRIFT %); %<600μ (SMALL DROPLETS)														TIP-CAP		STRAINER	
								110° ER SERIES				110° SR SERIES				110° MR SERIES				110° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.	CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600				
01	0.07	20	1.0-4.2	0.7-2.8	0.5-2.1	0.4-1.7	0.3-1.4	149	45%	84%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-01CIH25	ER110-01	-	-
	0.09	30	1.3-5.1	0.9-3.4	0.6-2.6	0.5-2.1	0.4-1.7	140	51%	87%	100%	-	-	-	-	-	-	-	-	-	-	-	-	SR110-01CIH25	SR110-01	-	-
	0.10	40	1.5-5.9	1.0-4.0	0.7-3.0	0.6-2.4	0.5-2.0	133	56%	89%	100%	-	-	-	-	-	-	-	-	-	-	-	-	MR110-01CIH25	MR110-01	-	-
	0.11	50	1.7-6.6	1.1-4.4	0.8-3.3	0.7-2.7	0.6-2.2	128	59%	91%	100%	-	-	-	-	-	-	-	-	-	-	-	-	DR110-01CIH25	DR110-01	-	-
	0.12	60	1.8-7.3	1.2-4.8	0.9-3.6	0.7-2.9	0.6-2.4	124	62%	93%	100%	-	-	-	-	-	-	-	-	-	-	-	-	100 MESH - GREEN		40251-00CIH25	40251-00
	0.13	70	2.0-7.8	1.3-5.2	1.0-3.9	0.8-3.1	0.7-2.6	121	65%	94%	100%	-	-	-	-	-	-	-	-	-	-	-	-				
015	0.11	20	1.6-6.3	1.0-4.2	0.8-3.1	0.6-2.5	0.5-2.1	153	40%	77%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-015CIH25	ER110-015	-	-
	0.13	30	1.9-7.7	1.3-5.1	1.0-3.8	0.8-3.1	0.6-2.6	145	47%	81%	100%	216	24%	45%	98%	323	11%	22%	94%	368	7%	15%	92%	SR110-015CIH25	SR110-015	-	-
	0.15	40	2.2-8.9	1.5-5.9	1.1-4.4	0.9-3.5	0.7-3.0	139	51%	83%	100%	200	28%	50%	98%	279	16%	30%	97%	329	10%	20%	94%	MR110-015CIH25	MR110-015	-	-
	0.17	50	2.5-10	1.7-6.6	1.2-5.0	1.0-4.0	0.8-3.3	135	55%	86%	100%	188	32%	55%	98%	248	20%	36%	98%	302	12%	24%	95%	DR110-015CIH25	DR110-015	-	-
	0.18	60	2.7-11	1.8-7.2	1.4-5.4	1.1-4.3	0.9-3.6	131	58%	87%	100%	178	34%	59%	98%	226	23%	41%	99%	282	14%	27%	96%	100 MESH - GREEN		40251-00CIH25	40251-00
	0.20	70	2.9-12	2.0-7.8	1.5-5.9	1.2-4.7	1.0-3.9	128	61%	89%	100%	169	37%	62%	98%	209	25%	46%	99%	265	15%	30%	97%				
02	0.14	20	2.1-8.0	1.4-5.6	1.0-4.2	0.8-3.3	0.7-2.8	173	32%	62%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-02CIH25	ER110-02	-	-
	0.17	30	2.6-10	1.7-6.8	1.3-5.1	1.0-4.1	0.9-3.4	160	39%	69%	100%	220	22%	43%	99%	317	11%	23%	95%	433	5%	10%	82%	SR110-02CIH25	SR110-02	-	-
	0.20	40	2.9-12	2.0-7.9	1.5-5.9	1.2-4.7	1.0-3.9	151	45%	73%	100%	207	26%	48%	99%	281	15%	29%	97%	394	6%	13%	87%	MR110-02CIH25	MR110-02	-	-
	0.22	50	3.3-13	2.2-8.8	1.6-6.6	1.3-5.3	1.1-4.4	144	49%	77%	100%	197	28%	52%	99%	256	18%	34%	97%	364	8%	16%	90%	-	DR110-02	-	-
	0.24	60	3.6-14	2.4-10	1.8-7.2	1.4-5.8	1.2-4.8	138	52%	80%	100%	189	31%	55%	99%	237	21%	38%	98%	339	9%	19%	91%	50 MESH - RED		40250-00CIH25	40250-00
	0.26	70	3.9-16	2.6-10	1.9-7.8	1.6-6.2	1.3-5.2	133	55%	82%	100%	182	32%	57%	99%	222	23%	42%	98%	318	10%	20%	93%				
025	0.17	20	2.6-10	1.7-7.0	1.3-5.2	1.0-4.1	0.9-3.5	194	28%	54%	100%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-025CIH25	ER110-025	-	-
	0.21	30	3.2-13	2.1-8.0	1.6-6.3	1.3-5.1	1.1-4.2	187	29%	56%	100%	237	19%	38%	98%	353	8%	17%	90%	437	5%	10%	79%	SR110-025	SR110-025	-	-
	0.25	40	3.7-15	2.4-10	1.8-7.3	1.5-5.9	1.2-4.9	181	30%	57%	100%	223	22%	43%	98%	322	11%	22%	93%	401	6%	13%	86%	MR110-025CIH25	MR110-025	-	-
	0.28	50	4.1-16	2.7-11	2.0-8.2	1.6-6.6	1.4-5.5	177	30%	59%	100%	213	25%	46%	98%	299	13%	25%	95%	373	8%	16%	89%	-	DR110-025	-	-
	0.30	60	4.5-18	3.0-12	2.2-9.0	1.8-7.2	1.5-6.0	173	31%	60%	100%	204	27%	49%	98%	280	15%	28%	96%	350	9%	18%	91%	50 MESH - RED		40250-00CIH25	40250-00
	0.33	70	4.8-19	3.2-13	2.4-10	1.9-7.8	1.6-6.5	170	31%	60%	100%	196	28%	51%	98%	263	16%	31%	96%	331	10%	20%	93%				
03	0.21	20	3.1-12	2.1-8.0	1.5-6.0	1.2-4.9	1.0-4.1	199	26%	51%	99%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-03CIH25	ER110-03	-	-
	0.26	30	3.8-15	2.5-10	1.9-8.0	1.5-6.1	1.3-5.1	185	31%	56%	99%	307	11%	23%	95%	399	6%	13%	86%	484	3%	7%	73%	SR110-03CIH25	SR110-03	-	-
	0.29	40	4.4-17	2.9-12	2.2-9.0	1.7-7.0	1.5-5.8	175	34%	59%	98%	282	14%	28%	96%	364	8%	17%	90%	447	5%	10%	79%	MR110-03CIH25	MR110-03	-	-
	0.33	50	4.9-20	3.3-13	2.4-10	2.0-7.8	1.6-6.5	167	37%	62%	98%	263	17%	33%	97%	337	10%	20%	93%	419	6%	12%	83%	DR110-03CIH25	DR110-03	-	-
	0.36	60	5.4-21	3.6-14	2.7-11	2.1-8.6	1.8-7.1	160	39%	65%	97%	247	19%	36%	97%	315	11%	22%	94%	396	6%	13%	86%	50 MESH - RED		40250-00CIH25	40250-00
	0.39	70	5.8-23	3.9-15	2.9-12	2.3-9.3	1.9-7.7	155	41%	67%	97%	234	20%	39%	97%	297	13%	25%	95%	376	7%	15%	88%				
04	0.27	20	4.1-16	2.7-11	2.0-8.1	1.6-6.5	1.4-5.4	243	18%	35%	97%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-04CIH25	ER110-04	-	-
	0.34	30	5.0-20	3.3-13	2.5-10	2.0-8.0	1.7-6.6	228	21%	41%	97%	319	10%	21%	93%	425	4%	10%	83%	519	3%	6%	67%	SR110-04CIH25	SR110-04	-	-
	0.39	40	5.8-23	3.8-15	2.9-12	2.3-9.2	1.9-7.7	217	24%	44%	97%	294	13%	26%	95%	386	6%	14%	88%	478	4%	9%	74%	MR110-04CIH25	MR110-04	-	-
	0.43	50	6.4-26	4.3-17	3.2-13	2.6-10.3	2.1-8.6	209	26%	47%	96%	275	15%	30%	96%	355	8%	17%	91%	447	5%	10%	79%	DR110-04CIH25	DR110-04	-	-
	0.47	60	7.0-28	4.7-19	3.5-14	2.8-11.3	2.3-9.4	202	27%	50%	96%	259	17%	33%	96%	330	9%	19%	93%	421	6%	12%	82%	50 MESH - RED		40250-00CIH25	40250-00
	0.51	70	7.6-30	5.1-20	3.8-15	3-12.2	2.5-10.1	196	29%	52%	96%	245	18%	35%	97%	309	10%	21%	95%	400	6%	13%	84%				
05	0.34	20	5.0-20	3.3-13	2.5-10	2.0-8.0	1.7-6.7	253	17%	34%	95%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-05CIH25	ER110-05	-	-
	0.41	30	6.1-24	4.1-16	3.1-12	2.4-9.8	2.0-8.2	231	21%	40%	95%	367	7%	16%	90%	501	3%	7%	69%	539	2%	5%	61%	SR110-05CIH25	SR110-05	-	-
	0.48	40	7.1-28	4.7-19	3.5-14	2.8-11.3	2.4-9.4	217	25%	44%	95%	334	10%	21%	93%	459	4%	9%	76%	513	3%	6%	66%	MR110-05CIH25	MR110-05	-	-
	0.53	50	7.9-32	5.3-21	4.0-16	3.2-12.6	2.6-10.5	207	27%	47%	95%	308	12%	24%	94%	427	5%	12%	80%	492	3%	7%	70%	DR110-05CIH25	DR110-05	-	-
	0.58	60	8.7-35	5.8-23	4.3-17	3.5-13.8	2.9-11.5	198	29%	50%	95%	287	14%	27%	95%	400	6%	13%	83%	475	3%	8%	73%	50 MESH - RED		40250-00CIH25	40250-00
	0.63	70	9.3-37	6.2-25	4.7-19	3.7-15	3.1-12.5	192	31%	52%	95%	269	15%	30%	96%	378	7%	15%	85%	460	4%	8%	75%				
06	0.40	20	5.9-24	3.9-16	2.9-12	2.4-9.4	2.0-7.8	289	13%	26%	94%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-06CIH25	ER110-06	-	-
	0.48	30	7.2-29	4.8-19	3.6-14	2.9-12	2.4-9.6	268	16%	32%	94%	438	5%	10%	81%	524	3%	6%	64%	583	2%	4%	54%	SR110-06CIH25	SR110-06	-	-
	0.56	40	8.3-33	5.5-22	4.2-17	3.3-13	2.8-11	253	19%	36%	94%	393	7%	15%	87%	490	3%	8%	71%	547	2%	5%	61%	MR110-06CIH25	MR110-06	-	-
	0.63	50	9.3-37	6.2-25	4.6-19	3.7-15	3.1-12	242	21%	39%	95%	358	9%	19%	90%	465	4%	9%	76%	519	3%	6%	65%	-	DR110-06	-	-
	0.69	60	10-41	6.8-27	5.1-20	4.1-16	3.4-14	233	23%	41%	95%	330	11%	22%	92%	443	5%	10%	79%	496	3%	7%	69%	50 MESH - RED		40250-00CIH25	40250-00
	0.74	70	11-44	7.3-29	5.5-22	4.4-18	3.7-15	225	24%	43%	95%	306	12%	24%	93%	426	5%	11%	81%	476	3%	7%	71%				

Droplet Categories as per ASABE S572.1 Classification (2009-current)*

- Extremely Fine <50
- Very Fine 51-136μ
- Fine 137-177μ
- Medium 178-218μ
- Coarse 219-349μ
- Very Coarse 350-428μ
- Extremely Coarse 429-622μ
- Ultra Coarse >623μ

VMD
Volume Median Diameter
Size of the median droplet (in μ) for a sprayed volume. Half of the volume is made up of droplets smaller than the VMD; half is made up of droplets larger.

% <141μ
% Driftable Fines
Percentage of volume which is likely to drift. 141μ is now replacing 200μ as the new standard for driftable fines.

% <200μ
% Driftable Fines
Percentage of volume which is likely to drift. 200μ is shown for reference. 141μ is used as the new standard for dritable fines.

% <600μ
% Useful Droplets
Percentage of volume which is made up of 'useful' droplets. As the distribution of useful droplets lowers, coverage is reduced.

Strainer Mesh & Tips
Recommended Strainer mesh
Mesh of strainer determined by the size of a tip. For larger tips (08+), strainers are not required. For PWM systems, typically 80 mesh inline strainers are used as well.

COMBO-JET® – 110° TIP-CAP PERFORMANCE SPECIFICATIONS FOR PWM SYSTEMS

Please Note:

1. Flow and application rates shown are for water only.
2. For applications where a uniform pattern is required, recommended pressures are higher than in standard spray systems.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 20, 25, 30, 40, 50 & 60 size Tip-Caps, visit www.wilger.net.
5. Standard PWM systems have inherent flow capacity up to 1.5 USG/Min

Recommended pressure varies with each size of tip

Recommended pressure varies with each size of tip

Recommended pressure varies with each size of tip

Recommended pressure varies with each size of tip

TIP CAP NO.	FLOW RATE USGPM	PSI	SPRAYER SPEED RANGE (ROUNDED) @ APPLICATION RATE (US GALLONS/ ACRE)					VMD (DROPLET SIZE IN µ); %<141µ (DRIFT %); %<200µ (DRIFT %); %<600µ (SMALL DROPLETS)														TIP-CAP	
								110° ER SERIES				110° SR SERIES				110° MR SERIES				110° DR SERIES				CNH INDUSTRIAL PART NO.	WILGER PART NO.
			5.0	7.5	10.0	12.5	15.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	STRAINER NOT REQ'D	
	0.62	30	9.1-37	6.1-24	4.6-18	3.7-15	3.0-12	312	15%	28%	92%	489	4%	11%	59%	570	3%	7%	45%	651	3%	4%	35%	ER110-08CIH25	ER110-08
	0.71	40	11-42	7-28	5.3-21	4.2-17	3.5-14	286	18%	32%	93%	445	6%	13%	68%	522	4%	9%	54%	606	3%	5%	42%	SR110-08CIH25	SR110-08
08	0.79	50	12-47	7.9-31	5.9-24	4.7-19	3.9-16	266	20%	36%	95%	410	7%	15%	74%	486	5%	10%	61%	571	4%	6%	47%	MR110-08CIH25	MR110-08
	0.87	60	13-52	8.6-34	6.5-26	5.2-21	4.3-17	249	21%	38%	95%	382	8%	16%	78%	455	6%	11%	65%	543	4%	7%	50%	DR110-08CIH25	DR110-08
	0.94	70	14-56	9.3-37	7.0-28	5.6-22	4.7-19	235	23%	41%	96%	359	9%	17%	80%	430	6%	12%	69%	519	4%	8%	53%	-	-
	0.73	30	11-43	7.2-29	5.4-22	4.3-17	3.6-14	357	11%	25%	88%	527	4%	9%	50%	579	3%	6%	43%	716	2%	3%	26%	ER110-10CIH25	ER110-10
	0.84	40	13-50	8.3-33	6.2-25	5.0-20	4.2-17	330	13%	28%	90%	480	6%	11%	60%	533	4%	7%	51%	679	2%	4%	31%	SR110-10CIH25	SR110-10
10	0.94	50	14-56	9.3-37	7.0-28	5.6-22	4.7-19	310	16%	31%	91%	444	7%	13%	67%	497	5%	8%	57%	651	3%	5%	35%	MR110-10CIH25	MR110-10
	1.03	60	15-61	10-41	7.6-31	6.1-24	5.1-20	293	17%	33%	92%	414	8%	14%	72%	468	5%	10%	61%	628	3%	5%	38%	DR110-10CIH25	DR110-10
	1.11	70	17-66	11-44	8.3-33	6.6-26	5.5-22	278	19%	35%	93%	389	8%	15%	75%	444	6%	10%	64%	608	4%	6%	40%	-	-
	0.84	30	13-50	8.3-33	6.3-25	5.0-20	4.2-17	430	8%	16%	68%	554	3%	5%	44%	699	3%	3%	24%	670	2%	5%	31%	ER110-125CIH25	ER110-125
	0.97	40	14-58	9.6-39	7.2-29	5.8-23	4.8-19	403	9%	17%	73%	506	4%	8%	55%	652	3%	4%	33%	635	3%	6%	36%	SR110-125CIH25	SR110-125
125	1.09	50	16-65	11-43	8.1-32	6.5-26	5.4-22	383	10%	18%	77%	469	5%	10%	62%	616	4%	6%	40%	617	3%	7%	39%	MR110-125CIH25	MR110-125
	1.19	60	18-71	12-47	8.8-35	7.1-28	5.9-24	366	11%	19%	79%	439	6%	12%	67%	587	4%	7%	44%	605	4%	7%	40%	DR110-125CIH25	DR110-125
	1.29	70	19-76	13-51	9.6-38	7.6-31	6.4-25	351	12%	20%	81%	413	6%	13%	71%	562	5%	7%	48%	596	4%	7%	41%	-	-
	0.93	30	14-55	9.2-37	6.9-28	5.5-22	4.6-18	463	7%	14%	58%	636	3%	4%	27%	686	4%	5%	27%	740	3%	2%	23%	ER110-15CIH25	ER110-15
	1.08	40	16-64	11-43	8.0-32	6.4-26	5.3-21	434	9%	16%	65%	594	4%	6%	38%	652	4%	6%	33%	705	3%	3%	31%	SR110-15CIH25	SR110-15
15	1.20	50	18-72	12-48	8.9-36	7.2-29	6.0-24	413	10%	17%	69%	561	4%	7%	46%	626	4%	6%	38%	678	3%	4%	36%	MR110-15CIH25	MR110-15
	1.32	60	20-78	13-52	9.8-39	7.8-31	6.5-26	395	11%	18%	72%	534	5%	8%	52%	604	4%	7%	41%	655	3%	5%	40%	DR110-15CIH25	DR110-15
	1.43	70	21-85	14-56	11-42	8.5-34	7.1-28	380	11%	19%	74%	511	5%	9%	56%	586	4%	7%	44%	637	4%	5%	43%	-	-

*Droplet categories: The above chart is based on the ASABE Standard 572.1. Refer to chemical label to check whether ASABE S572 or 572.1 categories should be followed.

Droplet Categories as per **ASABE S572.1** Classification (2009-current)*

Extremely Fine	Very Fine	Fine	Medium	Coarse	Very Coarse	Extremely Coarse	Ultra Coarse
<50	51-136µ	137-177µ	178-218µ	219-349µ	350-428µ	429-622µ	>623µ

Droplet Categories as per **ASABE S572** Classification (Pre-2009)*

Very Fine	Fine	Medium	Coarse	Very Coarse	Extremely Coarse
<150µ	150-250µ	250-350µ	350-450µ	450-550µ	>550µ

Recommended Pressure

Pressure Range for Tips

For PWM systems, the pressure loss through system components is accounted for in these charts. Additional solenoid wear may occur for pressures above 60PSI.

ASABE Droplet Categories

Color Classifications

The colors associated with the VMD is based on an ASABE standard for droplet size categorization. See categories and colors above.

Duty Cycles

Effective run time of PWM

Since PWM systems hold pressure constant, they adjust rates by the length of time the solenoids stay open (the duty cycle). Duty cycle is calculated by dividing your current speed into the max speed for that tip. Ideal duty cycles are 40-70%.

Pre-orifice Length & Color

Differences in tip pre-orifices

Pre-orifice color and length vary for some tips. SR-series pre-orifices will vary in color from the color of the cap. MR & DR pre-orifices will be the same color as the cap. Pre-orifices for high volume tips use a longer pre-orifice.

Using Tip Wizard

Same search, different results

PWM systems use plumbing components that cause differences in pressure loss when compared to standard spray systems. Tip Wizard accounts for those pressure drops, but also provides crucial duty cycle information as well.

MULTI-TIP SPRAYING WITH PULSE WIDTH MODULATION TECHNOLOGY

Pulse Width Modulation (PWM) gives the farmer the ability to hold constant the boom tip pressure; therefore, holding the droplet size constant as well. This works well with multi-tip spraying as well.

As a standard, PWM systems use one solenoid per nozzle body. For best utilization of PWM technology, a dual tip adapter (Photo A) is used.

Spraying with two sperate outlets (Photo B) is possible, but the outlet not tied to a solenoid will only be controlled by the auto-rate controller.

To use Tip Wizard to help select a dual-tip setup, simply split up the flow up into two (or more) parts and ensure the tips operate within the same duty cycle range and pressures.

A B

Example Rate: 10 US Gallons/Acre; **Speed:** 15 MPH; **Nozzle Spacing:** 20"; **Target Droplet Size:** 400 microns (Systemic Herbicide)

If the total application is 10GPA, the effective rates per tip must add up to 10GPA. For simplicity, split the flow in equal parts; for example, two tips applying 5GPA. While consulting the tip charts, a suitable choice might be the MR80-04 at 40PSI, and effective volume of 5 USG/Acre per tip. The droplet size is right around 400microns, and travel speed at max speed (15MPH) is roughly 70% duty cycle.

COMBO-JET® – SPRAY TIPS

DRIFT VS. EFFICACY

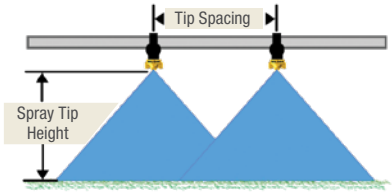
Generally speaking, smaller droplets deposit on the target more effectively than larger droplets, and larger droplets will drift less. So, you may have to make the choice between drift control and efficacy. An additional consideration is that some products are more effective when applied with a certain droplet size.

DROPLET SIZE VMD RANGE	ASABE S-572.1 CLASSIFICATION CATEGORY	COLOR CODE	CONTACT INSECTICIDE & FUNGICIDE	SYSTEMIC INSECTICIDE & FUNGICIDE	CONTACT FOLIAR HERBICIDE	SYSTEMIC FOLIAR HERBICIDE	SOIL-APPLIED HERBICIDE	INCORPORATED SOIL-APPLIED HERBICIDE	FERTILIZER
Under 50	Extremely Fine (XF)	Purple							
50-136	Very Fine (VF)	Red	■						
136-177	Fine (F)	Orange	■						
177-218	Medium (M)	Yellow	■	■	■	■			
218-349	Coarse (C)	Blue		■		■	■	■	
349-428	Very Coarse (VC)	Green					■	■	■
428-622	Extremely Coarse (XC)	White						■	■
Over 622	Ultra Coarse (UC)	Black						■	■

The table provides general guidelines regarding product efficacy vs. droplet size. However, there are numerous exceptions and we recommend that you carefully read and follow the product manufacturers application instructions and recommendations.

MINIMUM SPRAY TIP HEIGHT

Tip Spacing	Minimum Spray Tip Height		
	ER, SR, MR & DR 80 Degree Tips	ER Series 110 Degree Tips	SR, MR & DR Series 110 Degree Tips
10	10"	9"	13"
20	17"	15"	19"
30	26"	20"	24"



For additional information on droplet sizes and considerations, please contact Wilger, or visit the TIPNOLOGY 'Considerations' section of the **wilger.net** website.

COMBO-JET® Fertilizer Streamer Tips

COMBO-JET® Nozzle Bodies

COMBO-RATE® Modular Nozzle Bodies

Quick-Nut SST Fluid Supply System

Wilger Boom End Flush Valve

FLOW VIEW™ Ball Flow Indicators

BANJO®

Connect with Confidence™

Get right to the source.

Banjo Corporation is dedicated to supplying our customers with a product line that is manufactured in accordance to the highest quality standards guaranteeing customer satisfaction in a globally competitive market place. Through our committed focus on Process Management optimization, Banjo Corporation is able to successfully monitor, identify, measure, and track our critical core processes providing us with the information necessary to make informed decisions aimed at identifying, correcting and preventing any non-conformances. Banjo Corporation remains committed to providing competitively priced quality products delivered on time by our innovative, talented, dedicated, quality minded, and empowered work force.

BANJO® – POLYPROPYLENE BOLTED BALL VALVES

FEATURES

- FKM (viton type) seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Stainless steel bolts.

4 BOLT VALVES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	HANDLE REPLACEMENT		REPAIR KIT	
							CNH INDUSTRIAL PART NO.	BANJO PART NO.	CNH INDUSTRIAL PART NO.	BANJO PART NO.
413088A1	V075	¾" Full Port Valve	300	¾"	¾"	24/BOX	07.09151	V10153A	07.12370	V07200
BN2395215	V100	1" Standard Port Valve	225	1"	¾"	24/BOX	07.09151	V10153A	07.12370	V07200
BN73605	V100FP	1" Full Port Valve	300	1"	1"	24/BOX	07.09151	V10153A	-	-
07.07440	V125	1¼" Standard Port Valve	300	1¼"	1"	24/BOX	07.09151	V10153A	-	-
07.13374	V125FP	1¼" Full Port Valve	225	1¼"	1½"	24/BOX	07.12311	V20153	07.12372	V20200
BN73711	V150	1½" Full Port Valve	225	1½"	1½"	24/BOX	07.12311	V20153	07.12372	V20200
BN317387	V200	2" Standard Port Valve	225	2"	1½"	24/BOX	07.12311	V20153	07.12372	V20200

VALVE REPAIR KIT INCLUDES:

1 BALL 2 BODY O-RINGS 1 THRUST WASHER
2 BALL SEATS 1 UPPER STEM BUSHING 1 STEM O-RING

For faster shipping, order in box quantities.

FEATURES FOR MOUNTING BRACKETS

- 316 Stainless steel construction.
- Straight and 90° available.

MOUNTING BRACKETS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	VALVE USED	QTY
87419379	V25271	90° Mounting Bracket	V125FP, V150 & V200	1

HANDLE RISERS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	VALVE USED	QTY
07.26901	V20153138	2" x 1-3/8" Handle Offset	V125FP, V150, V200, V125SL, V150SL	1
44.21462	V25153138	2" FP x 1-3/8" Handle Offset	V200FP & V200SL	1

BANJO® – POLYPROPYLENE BOLTED BALL VALVES

FEATURES

- FKM (viton type) seals.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Precision molded in polypropylene.
- Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation.
- Valve opens and closes with very little pressure on the handle.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- Stainless steel bolts.

6 BOLT VALVES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	HANDLE REPLACEMENT		REPAIR KIT	
							CNH INDUSTRIAL PART NO.	BANJO PART NO.	CNH INDUSTRIAL PART NO.	BANJO PART NO.
07.13498	V200FP	2" Full Port Valve	225	2"	2"	8/BOX	07.12312	V25153	07.12373	V25200
BN303208	V300	3" Standard Port Valve	225	3"	2½"	8/BOX	07.12312	V25153	-	-
84380156	V300FP	3" Full Port Valve	200	3"	3"	6/BOX	07.12312	V25153	-	-
07.09178	V400	4" Standard Port Valve	100	4"	3½"	4/BOX	07.12312	V25153	07.09811	V40200

VFMT200FP

For faster shipping, order in box quantities.

VALVE REPAIR KIT INCLUDES:

1 BALL 2 BODY O-RINGS 1 THRUST WASHER
2 BALL SEATS 1 UPPER STEM BUSHING 1 STEM O-RING

6 BOLT VALVES W/ "F" ADAPTER

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	HANDLE REPLACEMENT		REPAIR	
							CNH INDUSTRIAL PART NO.	BANJO PART NO.	CNH INDUSTRIAL PART NO.	BANJO PART NO.
07.06969	VFMT200FP	2" Full Port Valve w/"F" Adapter	225	2"	2"	6/BOX	7.12312	V25153	7.12373	V25200

FEATURES FOR MOUNTING BRACKETS

- 316 Stainless steel construction.
- Straight and 90° available.

V25271

MOUNTING BRACKETS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	VALVE USED	QTY
87419379	V25271	90° Mounting Bracket	V200FP, V300, V300FP, V400, VFMT200FP & VFMT200FPSH	1

FEATURES FOR LOCKING HANDLE

- Stainless steel hardware.
- Locks in open and closed positions.
- Locking handle replaces standard handle.*
- Padlock not included.

VL25153

LOCKING HANDLE FEATURES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	VALVE USED	QTY
07.15695	VL25153	Locking Handle	V200FP, V300, V300FP, V400 VFMT200FP & VFMT200FPSH	1

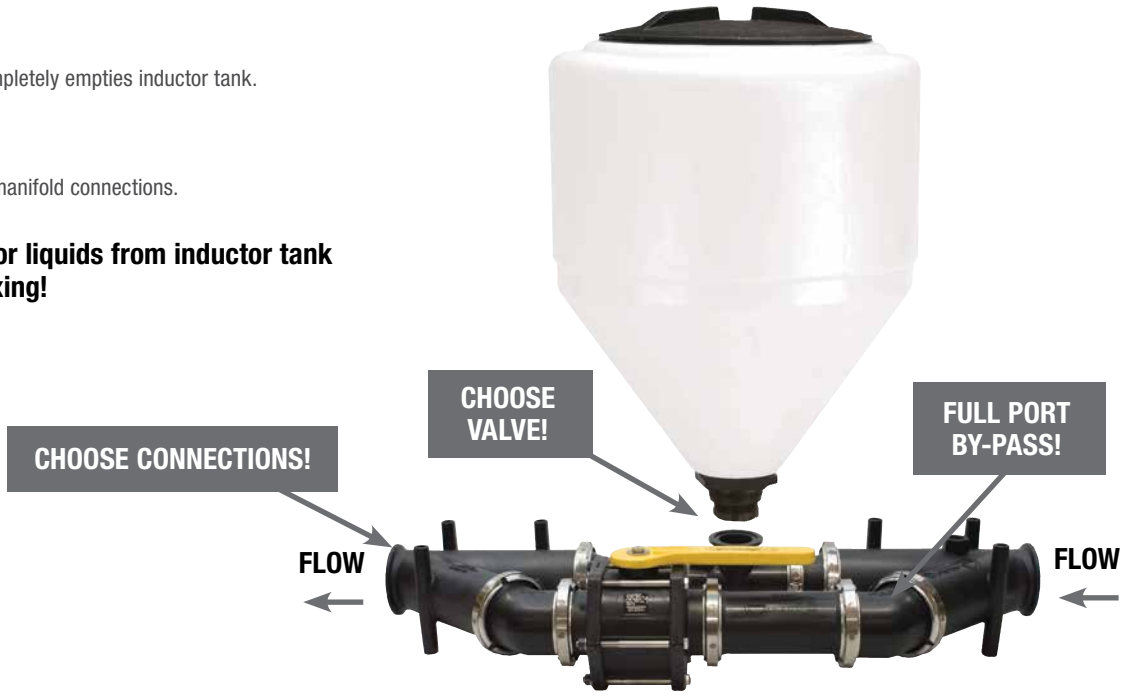
*Sold separately.

MANIFOLD INDUCTOR SYSTEM

FEATURES

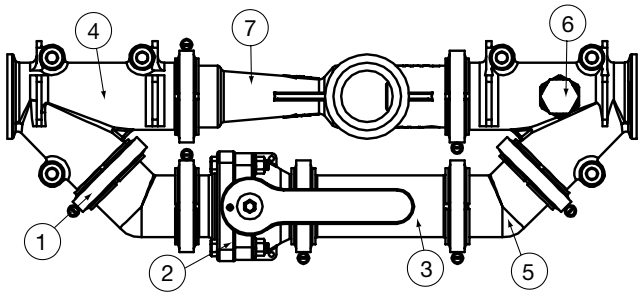
- Installed after pump; suction completely empties inductor tank.
- Keeps tank free of chemicals.
- 2" & 3" full port flow.
- Easy assembly/installation with manifold connections.

Draws wettable powders or liquids from inductor tank for thorough chemical mixing!

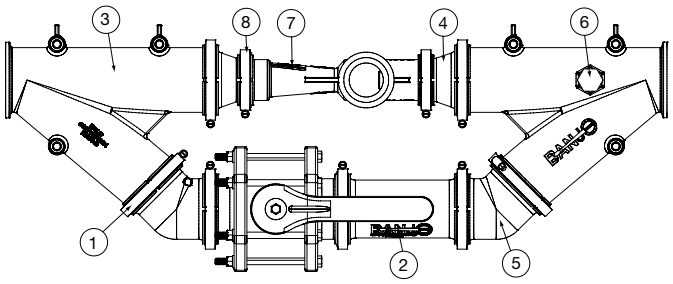


Note: Tank not included.

Top View



Top View



REPLACEMENT PARTS MIS220

ITEM	CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	QTY
1	BN313773	FC220	220 Series Worm Screw Clamp	10
2	7.28362	MVS220CF	2" FP Flange x 2" FP Flange	1
3	47777617	M220CPG6	2" x 2" Full Port Flange x 6"	1
4	47448277	M220Y45	2" Full Port 45° Y Flange	1
5	87267540	M220CPG45	2" Full Port 45° Coupling	2
6	BN73553	PLUG075	¾" Pipe Plug	1
7	07.28358	MHV220A	2" Full Port Poly Venturi	1
N/S	07.28357	M221G	2" Full Port EPDM Manifold Gasket with Rib	7

REPLACEMENT PARTS MIS300

ITEM	CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	QTY
1	BN321074	FC300	300 Series Worm Screw Clamp	7
2	07.27113	M300CPG7	3" x 3" Full Port Flange x 7"	1
3	35.02080	M300Y45	3" Full Port 45° Y Flange	1
4	BN321072	M300220CPG	3" x 2" Full Port Reducer Flange	1
5	87266599	M300CPG45	3" Full Port 45° Coupling	2
6	BN73553	PLUG075	¾" Pipe Plug	1
7	7.28358	MHV220A	2" Full Port Poly Venturi	1
8	BN313773	FC220	220 Series Worm Screw Clamp	3
N/S	7.28357	M221G	2" Full Port EPDM Manifold Gasket with Rib	2

BANJO® – MANIFOLD FITTINGS

FEATURES

- Positive seals.
- Quick & easy assembly.
- Easy On/Off hose connections.
- 360° Orientation.

Note: Must order in bag quantities for quick and easy shipping and receiving of your order.

FLANGE x MALE BSP(BRITISH STANDARD PIPE)

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.27111	M300BSP	3" Full Port Manifold Flange x 3" Male BSP	300	1

FLANGE x FEMALE NPT THREAD

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.07974	M100050FPT	1" Flange x ½" Pipe Thread	300	10/BAG
07.07976	M100075FPT	1" Flange x ¾" Pipe Thread	300	10/BAG
21.21082	M100FPT	1" Flange x 1" Pipe Thread	300	10/BAG
07.07975	M200FPT	2" Flange x 2" Pipe Thread	300	10/BAG
07.28356	M220FPT	2" Full Port Flange x 2" Pipe Thread	300	10/BAG
07.27110	M300FPT	3" Flange x 3" Pipe Thread	200	1

FLANGE x NPT THREAD

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.07977	M100075MPT	1" Flange x ¾" Male Thread	300	10/BAG
07.07496	M100MPT	1" Flange x 1" Male Thread	300	10/BAG
406146A1	M100125MPT	1" Flange x 1¼" Male Thread	300	10/BAG
BN306902	M200125MPT	2" Flange x 1¼" Male Thread	300	10/BAG
07.06696	M200150MPT	2" Flange x 1½" Male Thread	300	10/BAG
BN303185	M200MPT	2" Flange x 2" Male Thread	300	10/BAG
BN314241	M220MPT	2" Full Port Flange x 2" Male Thread	300	10/BAG
BN321078	M300MPT	3" Flange x 3" Male Thread	300	1

FLANGE x MALE NPT THREAD -316SS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.07980	M100MPTSS	1" Flange x 1" Male Thread	300	1
07.07981	M200125MPTSS	2" Flange x 1¼" Male Thread	300	1
07.07982	M200150MPTSS	2" Flange x 1½" Male Thread	300	1
07.07983	M200MPTSS	2" Flange x 2" Male Thread	300	1
07.07985	M220150MPTSS	2" Full Port Flange x 1½" Male Thread	300	1
07.07984	M220MPTSS	2" Full Port Flange x 2" Male Thread	300	1
-	M300220MPTSS	3" Flange x 2" Full Port Male Thread	300	1
21.21628	M300MPTSS	3" Flange x 3" Male Thread	300	1

FLANGE PLUGS (SOLID & W/GAUGE PORT)

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
87502116	M100PLG	1" Flange Plug	300	10/BAG
21.20996	M200PLG	2" Flange Plug	300	10/BAG
07.07076	M220PLG	2" Full Port Flange Plug	300	10/BAG
BN321079	M300PLG	3" Flange Plug	225	10/BAG
405793A1	M100PLG025	1" Flange Plug with ¼" FPT	300	10/BAG
47898148	M100PLG050	1" Flange Plug with ½" FPT	300	10/BAG
87670356	M200PLG025	2" Flange Plug with ¼" FPT	225	10/BAG
07.07990	M200PLG050	2" Flange Plug with ½" FPT	225	10/BAG
344407A1	M200PLG075	2" Flange Plug with ¾" FPT	225	10/BAG
07.07082	M200PLG100	2" Flange Plug with 1" FPT	225	10/BAG
47479760	M300PLG100	3" Flange Plug with 1" FPT	200	1

FLANGE x MALE QDC

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.27534	M100A	1" Flange x 1" Male Adapter	300	10/BAG
46.02086	M200A	2" Flange x 2" Male Adapter	300	10/BAG
07.07978	M220A	2" Full Port Flange x 2" Male Adapter	225	10/BAG
343025A1	M300A	3" Full Port Flange x 3" Male Adapter	100	1

FLANGE x HOSE BARB

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.06982	M100075BRB	1" Flange x ¾" Hose Barb	300	10/BAG
87503157	M100BRB	1" Flange x 1" Hose Barb	300	10/BAG
07.07992	M100125BRB	1" Flange x 1¼" Hose Barb	300	10/BAG
86987616	M200100BRB	2" Flange x 1" Hose Barb	300	10/BAG
86990856	M200125BRB	2" Flange x 1¼" Hose Barb	300	10/BAG
434039A1	M200150BRB	2" Flange x 1½" Hose Barb	300	10/BAG
405780A1	M200BRB	2" Flange x 2" Hose Barb	300	10/BAG
47917418	M220100BRB	2" Full Port Flange x 1" Hose Barb	300	10/BAG
07.27192	M220125BRB	2" Full Port Flange x 1¼" Hose Barb	300	10/BAG
21.21631	M220150BRB	2" Full Port Flange x 1½" Hose Barb	300	10/BAG
BN318600	M220BRB	2" Full Port Flange x 2" Hose Barb	300	10/BAG
BN321080	M300220BRB	3" Flange x 2" Hose Barb	125	1
BN321075	M300BRB	3" Flange x 3" Hose Barb	200	1

BANJO® – POLYPROPYLENE PIPE FITTINGS

- Glass reinforced polypropylene.
- Heavy duty (Schedule 80).
- Lightweight with excellent strength.
- NPT threads.
- Excellent chemical resistance.

Must order in bag quantities for quick and easy shipping and receiving of your order.

POLY PIPE CAPS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.08185	CAP050	½" Poly Pipe Cap	300	10/BAG
47733334	CAP075	¾" Poly Pipe Cap	300	10/BAG
87577690	CAP100	1" Poly Pipe Cap	300	10/BAG
07.08188	CAP125	1¼" Poly Pipe Cap	300	10/BAG
07.08189	CAP150	1½" Poly Pipe Cap	300	10/BAG
BN2293320	CAP200	2" Poly Pipe Cap	300	10/BAG
07.08191	CAP300	3" Poly Pipe Cap	300	1

POLY PIPE PLUGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
BN73502	PLUG050	½" Poly Pipe Plug	300	10/BAG
BN73553	PLUG075	¾" Poly Pipe Plug	300	10/BAG
BN73604	PLUG100	1" Poly Pipe Plug	300	10/BAG
BN73655	PLUG125	1¼" Poly Pipe Plug	300	10/BAG
BN73731	PLUG150	1½" Poly Pipe Plug	300	10/BAG
BN73794	PLUG200	2" Poly Pipe Plug	300	10/BAG
BN2297642	PLUG300	3" Poly Pipe Plug	300	1

POLY GAUGE TEE (GAUGE NOT INCLUDED)

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
46.02093	TEG100	1" Poly Tee w/ ¼" Female Thread	300	10/BAG

POLY CROSSES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.26772	CR050	½" Poly Cross	300	5/BAG
07.10369	CR075	¾" Poly Cross	300	5/BAG
BN53663	CR100	1" Poly Cross	300	5/BAG
07.10345	CR125	1¼" Poly Cross	300	1
07.10349	CR150	1½" Poly Cross	300	1
BN73791	CR200	2" Poly Cross	300	1

POLY TEES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.10422	TEE038	3/8" Poly Tee	300	10/BAG
34304002	TEE050	½" Poly Tee	300	10/BAG
321991A1	TEE075	¾" Poly Tee	300	10/BAG
34308005	TEE100	1" Poly Tee	300	10/BAG
BN73662	TEE125	1¼" Poly Tee	300	10/BAG
84325029	TEE150	1½" Poly Tee	300	1
07.10390	TEE200	2" Poly Tee	300	1
07.15305	TEE300	3" Poly Tee	225	1

BANJO® – POLYPROPYLENE PIPE FITTINGS

- Glass reinforced polypropylene.
- Heavy duty (Schedule 80).
- Lightweight with excellent strength.
- NPT threads.
- Excellent chemical resistance.

POLY STRAIGHT HOSE BARBS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.10340	HB025	¼" Male Thread x ¼" Hose Barb	300	10/BAG
07.10341	HB025-038	¼" Male Thread x 3/8" Hose Barb	300	10/BAG
07.26777	HB025-050	¼" Male Thread x ½" Hose Barb	300	10/BAG
426778A1	HB038	3/8" Male Thread x 3/8" Hose Barb	300	10/BAG
BN323125	HB038-050	3/8" Male Thread x ½" Hose Barb	300	10/BAG
07.10337	HB050-038	½" Male Thread x 3/8" Hose Barb	300	10/BAG
426779A1	HB050	½" Male Thread x ½" Hose Barb	300	10/BAG
07.10336	HB050-075	½" Male Thread x ¾" Hose Barb	300	10/BAG
343436A1	HB075-038	¾" Male Thread x 3/8" Hose Barb	300	10/BAG
BN73568	HB075-050	¾" Male Thread x ½" Hose Barb	300	10/BAG
07.10357	HB075-058	¾" Male Thread x 5/8" Hose Barb	300	10/BAG
34306063	HB075	¾" Male Thread x ¾" Hose Barb	300	10/BAG
6759	HB075-100	¾" Male Thread x 1" Hose Barb	300	10/BAG
07.10328	HB100-075	1" Male Thread x ¾" Hose Barb	300	10/BAG
34308001	HB100	1" Male Thread x 1" Hose Barb	300	10/BAG
07.13034	HB100-125	1" Male Thread x 1¼" Hose Barb	300	10/BAG
BN319562	HB125-075	1¼" Male Thread x ¾" Hose Barb	300	10/BAG
BN73657	HB125-100	1¼" Male Thread x 1" Hose Barb	300	10/BAG
07.10332	HB125	1¼" Male Thread x 1¼" Hose Barb	300	10/BAG
BN2294412	HB125-150	1¼" Male Thread x 1½" Hose Barb	300	10/BAG
32.01244	HB150-100	1½" Male Thread x 1" Hose Barb	300	10/BAG
HB150-125	HB150-125	1½" Male Thread x 1¼" Hose Barb	300	10/BAG
413083A1	HB150	1½" Male Thread x 1½" Hose Barb	300	10/BAG
BN313927	HB150-200	1½" Male Thread x 2" Hose Barb	300	10/BAG
BN305163	HB200-150	2" Male Thread x 1½" Hose Barb	300	10/BAG
34316003	HB200	2" Male Thread x 2" Hose Barb	300	10/BAG
BN85678	HB300	3" Male Thread x 3" Hose Barb	225	1

POLY FEMALE HOSE BARBS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
47733137	HBF075	¾" Female Thread	300	10/BAG
21.21315	HBF100	1" Female Thread x 1" Hose Shank	300	10/BAG

POLY 90° HOSE BARBS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
BN73412	HB025-90	¼" Male Thread x ¼" 90° Hose Barb	300	10/BAG
07.26775	HB025/038-90	¼" Male Thread x 3/8" 90° Hose Barb	300	10/BAG
07.26776	HB025/050-90	¼" Male Thread x ½" 90° Hose Barb	300	10/BAG
426777A1	HB038-90	3/8" Male Thread x 3/8" 90° Hose Barb	300	10/BAG
84346916	HB050/038-90	½" Male Thread x 3/8" 90° Hose Barb	300	10/BAG
87414643	HB050-90	½" Male Thread x ½" 90° Hose Barb	300	10/BAG
426780A1	HB050/075-90	½" Male Thread x ¾" 90° Hose Barb	300	10/BAG
BN73578	HB075/050-90	¾" Male Thread x ½" 90° Hose Barb	300	10/BAG
47795756	HB075-90	¾" Male Thread x ¾" 90° Hose Barb	300	10/BAG
BN73575	HB075/100-90	¾" Male Thread x 1" 90° Hose Barb	300	10/BAG
BN73684	HB100/075-90	1" Male Thread x ¾" 90° Hose Barb	300	10/BAG
84325034	HB100-90	1" Male Thread x 1" 90° Hose Barb	300	10/BAG
BN67315	HB100/125-90	1" Male Thread x 1¼" 90° Hose Barb	300	10/BAG
07.10293	HB125/100-90	1¼" Male Thread x 1" 90° Hose Barb	300	10/BAG
BN73663	HB125-90	1¼" Male Thread x 1¼" 90° Hose Barb	300	10/BAG
87265957	HB125/150-90	1¼" Male Thread x 1½" 90° Hose Barb	300	10/BAG
07.10421	HB150/125-90	1½" Male Thread x 1¼" 90° Hose Barb	300	10/BAG
87419378	HB150-90	1½" Male Thread x 1½" 90° Hose Barb	300	10/BAG
07.26778	HB200/150-90	2" Male Thread x 1½" 90° Hose Barb	300	10/BAG
401875A1	HB200-90	2" Male Thread x 2" 90° Hose Barb	300	10/BAG
07.15304	HB300-90	3" Male Thread x 3" 90° Hose Barb	225	1

316 SS HOSE BARBS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.07689	HB025SS	¼" Male Thread x ¼" Hose Shank	300	1
07.07690	HB025-038SS	¼" Male Thread x 3/8" Hose Shank	300	1
07.07691	HB025-050SS	¼" Male Thread x ½" Hose Shank	300	1
07.07692	HB038SS	3/8" Male Thread x 3/8" Hose Shank	300	1
07.07693	HB038-050SS	3/8" Male Thread x ½" Hose Shank	300	1
07.07694	HB050SS	½" Male Thread x ½" Hose Shank	300	1
07.07695	HB050-058SS	½" Male Thread x 5/8" Hose Shank	300	1
07.07696	HB050-075SS	½" Male Thread x ¾" Hose Shank	300	1
07.07697	HB075SS	¾" Male Thread x ¾" Hose Shank	300	1
07.07698	HB075-100SS	¾" Male Thread x 1" Hose Shank	300	1
07.07699	HB100SS	1" Male Thread x 1" Hose Shank	300	1
07.07700	HB125SS	1¼" Male Thread x 1¼" Hose Shank	300	1
07.07701	HB150SS	1½" Male Thread x 1½" Hose Shank	300	1
07.07702	HB200SS	2" Male Thread x 2" Hose Shank	300	1
07.07703	HB300SS	3" Male Thread x 3" Hose Shank	300	1

Note: Must order in bag quantities for quick and easy shipping and receiving of your order.

BANJO® – POLYPROPYLENE PIPE FITTINGS

POLY HOSE BARB TEES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.08052	HBT050-038	½" x ½" x 3/8" Hose Barb Tee	300	10/BAG
07.08053	HBT050-075	½" x ½" x ¾" Hose Barb Tee	300	10/BAG
34306051	HBT075-050	¾" x ¾" x ½" Hose Barb Tee	300	10/BAG
87669667	HBT075	¾" Hose Barb Tee	300	10/BAG
87664074	HBT075-100	¾" x ¾" x 1" Hose Barb Tee	300	10/BAG
47767363	HBT100	1" Hose Barb Tee	300	10/BAG

POLY HOSE MENDERS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.26779	HM050	½" x ½" Hose Barb	300	10/BAG
07.26780	HM075	¾" x ¾" Hose Barb	300	10/BAG
84174975	HM100	1" x 1" Hose Barb	300	10/BAG
07.26782	HM125	1¼" x 1¼" Hose Barb	300	10/BAG
412686A1	HM150	1½" x 1½" Hose Barb	300	10/BAG
07.26784	HM200	2" x 2" Hose Barb	300	10/BAG

POLY HOSE BARB THREADED TEES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.28377	HBT100-100	1" Hose Barb x 1" Hose Barb x 1" Male Thread Hose Barb Tee	300	10/BAG
BN324828	HBT150-100	1½" Hose Barb x 1½" Hose Barb x 1" Male Thread Hose Barb Tee	300	1

POLY SWIVEL

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
46.08120	SW100	1" Male x 1" Female Swivel	300	1

Note: Must order in bag quantities for quick and easy shipping and receiving of your order.

8 STATION POLY MANIFOLD

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	QTY
07.15502	TM075/050	8 Station Manifold ¾" Inlet x ½" Outlet, ¼" Gauge Port	1

BANJO® – COUPLINGS

FLANGED COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
BN306905	M100CPG	1" x 1" Flange x 2¼" Long	300	10/BAG
442255A1	M200CPG	2" x 2" Flange x 4½" Long	300	10/BAG
BN325292	M220CPG	2" x 2" Full Port Flange x 2 31/32"	300	10/BAG
47777617	M220CPG6	2" x 2" Full Port Flange x 6" Long	300	1
BN324192	M300CPG	3" x 3" Full Port Flange x 4" Long	200	1
7.27113	M300CPG7	3" x 3" Full Port Flange x 7" Long	225	1

45° FLANGED COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.07995	M100CPG45	1" x 1" 45° Flange	300	10/BAG
86984086	M200CPG45	2" x 2" 45° Flange	300	10/BAG
87267540	M220CPG45	2" x 2" 45° Full Port Flange	225	10/BAG
87266599	M300CPG45	3" x 3" 45° Full Port Flange	225	1

90° FLANGED COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
21.21081	M100CPG90	1" x 1" 90° Flange	300	10/BAG
BN304318	M200CPG90	2" x 2" 90° Flange	300	1
405782A1	M200CPG90SH	2" x 2" 90° Short Flange	300	1
BN316710	M220CPG90	2" x 2" 90° Full Port Flange	200	1
BN321077	M300CPG90	3" x 3" 90° Full Port Flange	200	1

45° Y FLANGED COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
21.42544	M220Y45	2" Full Port 45° Y Flange	300	1
35.02080	M300Y45	3" Full Port 45° Y Flange	200	1

FLANGED REDUCER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
408349A1	M200100CPG	2" Port x 1" Reducer Flange	300	10/BAG
47899179	M220100CPG	2" Full Port x 1" Reducer Flange	225	10/BAG
21.21003	M220200CPG	2" Full Port x 2" Reducer Flange	225	10/BAG
07.07986	M300200CPG	3" x 2" Port Reducer Flange	225	1
BN321072	M300220CPG	3" x 2" Full Port Reducer Flange	225	1

FLANGED TEE

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
405787A1	M100TEE	1" Flanged Tee	300	10/BAG
07.07991	M101TEE	1" Flanged Tee - Long	300	10/BAG
86984089	M200100TEE	2" Port x 1" Flanged Tee	300	1
405779A1	M200TEE	2" Port Flanged Tee	300	1
21.30553	M220100TEE	2" Full Port Flanged Tee x 1" Flanged Tee	225	1
47930545	M220200TEE	2" Full Port Flanged Tee x 2" Flanged Tee	300	1
BN322550	M220TEE	2" Full Port Flanged Tee	225	1
21.21074	M300TEE	3" Flanged Tee	225	1

U BOLTS-SS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.07999	UB100	100 Series Mounting U Bolt	N/A	1
07.07080	UB202	200 Series Mounting U Bolt	N/A	1

Note: Must order in bag quantities for quick and easy shipping and receiving of your order.

BANJO® – COUPLINGS

FLANGE x 90° HOSE BARB ELBOW

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
405785A1	M100075BRB90	1" Flange x ¾" 90° Hose Barb Elbow	300	10/BAG
435587A1	M100BRB90	1" Flange x 1" 90° Hose Barb Elbow	300	10/BAG
87575511	M100125BRB90	1" Flange x 1¼" 90° Hose Barb Elbow	300	10/BAG
47917420	M100150BRB90	1" Flange x 1½" 90° Hose Barb Elbow	300	10/BAG
07.07495	M200100BRB90	2" Flange x 1" 90° Hose Barb Elbow	300	10/BAG
405783A1	M200125BRB90	2" Flange x 1¼" 90° Hose Barb Elbow	300	10/BAG
BN304321	M200150BRB90	2" Flange x 1½" 90° Hose Barb Elbow	300	1
07.06975	M200BRB90	2" Flange x 2" 90° Hose Barb Elbow	300	1
07.07077	M220150BRB90	2" Full Port Flange x 1½" 90° Hose Barb Elbow	300	1
BN324065	M220BRB90	2" Full Port Flange x 2" 90° Hose Barb Elbow	300	1
07.07987	M300220BRB90	3" Flange x 2" 90° Hose Barb Elbow	300	1
BN321082	M300BRB90	3" Flange x 3" 90° Hose Barb Elbow	150	1

FLANGE x 45° HOSE BARB ELBOW

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
07.27082	M100BRB45	1" Flange x 1" 45° Hose Barb Elbow	300	10/BAG
47767334	M200BRB45	2" Flange x 2" 45° Hose Barb Elbow	300	1
47421490	M220BRB45	2" Full Port Flange x 2" 45° Hose Barb Elbow	300	10/BAG
84283082	M300BRB45	3" Flange x 3" 45° Hose Barb Elbow	150	1

FLANGE x 45° HOSE BARB ELBOW

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
47690895	M200150BRB45	2" Flange x 1½" 45° Hose Barb Elbow	300	10/BAG

FLANGE x HOSE BARB TEE

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
47841653	M100100HBT	1" Flange x 1" Hose Barb Tee	300	10/BAG
47888649	M220200HBT	2" Full Port Flange x 2" Hose Barb Tee	300	1

FLANGED CROSS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	QTY
BN313029	M100CR	1" Flanged Cross	300	10/BAG
21.21000	M200CR	2" Flanged Cross	300	1
21.21571	M220CR	2" Full Port Flanged Cross	200	1
BN321076	M300CR	3" Flanged Cross	125	1

FLANGE CLAMPS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	TORQUE	QTY
406041A1	FC100	100 Series Worm Screw Clamp	50-60 IN/LBS	10/BAG
400502A1	FC200	200 Series Worm Screw Clamp	90-100 IN/LBS	10/BAG
BN313773	FC220	220 Series Worm Screw Clamp	90-100 IN/LBS	10/BAG
BN321074	FC300	300 Series Worm Screw Clamp	90-100 IN/LBS	10/BAG

Rib keeps gasket in place during assembly.

FLANGE GASKETS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	QTY
408350A1	M100G	100 Series EPDM Manifold Gasket	1
07.28428	M101G	100 Series EPDM Manifold Gasket with Rib	1
07.07997	M100GV	100 Series FKM (viton type) Gasket	1
BN303204	150G	1½" EPDM Gasket	1
07.07998	150GV	200 Series FKM (viton type) Gasket	1
BN313772	200G	220 Series Full Port EPDM Gasket	1
07.11702	200GV	220 Series Full Port FKM (viton type) Gasket	1
7.28357	M221G	220 Series Full Port EPDM Manifold Gasket with Rib	1
BN321073	300G	300 Series EPDM Gasket	1
07.11704	300GV	300 Series FKM (viton type) Gasket	1

POLYPROPYLENE CAM LEVER COUPLINGS

FEATURES

- Stainless steel rings, arms & pins.
- Most complete line of polypropylene couplings available.
- Versatile — interchangeable with all types of cam lever couplers.
- Precision molded — insures a uniform and accurate fit.
- Durable — Polypropylene is glass reinforced for rugged strength and durability.
- Smooth operating — finger rings are designed for easy opening of cam levers.
- Complete series of ½", ¾", 1", 1¼", 1½", 2", 3" and 4" NPT thread.
- BSP threads available 1"- 3" sizes (excluding 1¼").
- Operating conditions:
- 3/8" thru 2" — 100 P.S.I. at 0°F; 125 P.S.I. at 70°F; 70 P.S.I. at 150°F.
- 2½", 3" & 4" Cap-50 P.S.I.; Couplings 75 P.S.I. max.
- Economical and superior in performance.
- Standard with EPDM gaskets. Buna "N", and FKM (viton type) also available.


A


B


C


D


E


F


PL


CAP


3 ARMS

303B & 303C & All 4" Couplings have 3 Arms for POSITIVE SEAL!

WARNING: Couplings should not be disconnected under pressure or with liquid in the line.

Please order in bag/box quantities for quick and easy shipping and receiving of your order. All items priced each, not per bag or box quantity.

CAM LEVER COUPLINGS

ITEM	DESCRIPTION	¼" *	⅜" *	½" *	¾"	1"	1¼" **	1½" x 1¼" ***	1½"	2"	2½"	3"	3" 3 ARMS	4" 3 ARMS
A	MALE ADAPTER-FEMALE THREAD	75A1/4	75A3/8	75A1/2	75A3/4	100A	125A	150125A	150A	200A	-	300A	-	400A
B	FEMALE COUPLER- MALE THREAD	-	-	75B1/2	75B3/4	100B	125B	150125B	150B	200B	-	300B	303B	400B
C	FEMALE COUPLER-HOSE SHANK	-	-	050C	075C	100C	125C	150125C	150C	200C	-	300C	303C	400C
D	FEMALE COUPLER-FEMALE THREAD	-	075D3/8	050D	075D	100D	125D	150125D	150D	200D	-	300D	-	400D
E	MALE ADAPTER-HOSE SHANK	-	-	050E	075E	100E	125E	150125E	150E	200E	-	300E	-	400E
F	MALE ADAPTER-MALE THREAD	-	-	050F	075F	100F	125F	150125F	150F	200F	-	300F	-	400F
PL	PLUG FOR FEMALE COUPLER	-	-	75PL	75PL	100125PL	100125PL	150PL	150PL	200PL	250PL	300PL	-	400PL
CAP	CAP FOR MALE ADAPTER	-	-	075CAP	075CAP	100125CAP	100125CAP	150CAP	150CAP	200CAP	250CAP	300CAP	-	400CAP (2 ARMS)
CAPSH	CAP W/SHORT ARMS	-	-	-	-	-	-	200CAPSH	-	-	-	-	-	-

NOTE:

*¼", 3/8" and ½" series couplings interchange with ¾" size couplings. Coupling ends are ¾" size.
**1¼" series couplings interchange with 1" size couplings. Coupling ends are 1" size.
***1½" x 1¼" couplings interchange with 1½" size couplings. Coupling ends are 1½" size.

BANJO® – LEVER COUPLINGS

½" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
07.13376	75A1/2	¾" Male Adapter-½" Female Thread	225	N/A	10/BAG
07.13251	75B1/2	¾" Female Coupler-½" Male Thread	300	EPDM	10/BAG
7.13377	050C	¾" Female Coupler-½" Hose Shank	300	EPDM	10/BAG
07.13250	050D	¾" Female Coupler-½" FemaleThread	300	EPDM	10/BAG
07.13378	050E	¾" Male Adapter-½" Hose Shank	300	N/A	10/BAG
07.13379	050F	¾" Male Adapter-½" Male Thread	300	N/A	10/BAG
07.12319	075CAP	¾" Cap-Male Adapter	300	EPDM	10/BAG
07.12323	75PL	¾" Plug-Female Coupler	300	N/A	10/BAG

¾" X ¼" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
32.01465	75A1/4	¾" Male Adapter-¼" Female Thread	300	N/A	10/BAG

NOTE: ½" couplings interchange with ¾" couplings. Banjo 1¼" couplers & adapters will interchange with 1" couplings. Only the threads and barbs are 1¼".

1" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
07.12324	100A	1" Male Adapter-1" Female Thread	300	N/A	10/BAG
07.12325	100B	1" Female Coupler-1" Male Thread	300	EPDM	10/BAG
07.12326	100C	1" Female Coupler-1" Hose Shank	300	EPDM	10/BAG
07.12328	100D	1" Female Coupler-1" FemaleThread	300	EPDM	10/BAG
87578618	100E	1" Male Adapter-1" Hose Shank	300	N/A	10/BAG
8606	100F	1" Male Adapter-1" Male Thread	300	N/A	10/BAG
BN2293318	100125CAP	1" Cap-Male Adapter	300	EPDM	10/BAG
48054996	100125PL	1" Plug-Female Coupler	300	N/A	10/BAG

1½" X 1¼" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
07.12332	150125A	1½" Male Adapter-1¼" Female Thread	225	N/A	10/BAG
07.12333	150125B	1½" Female Coupler-1¼" Male Thread	300	EPDM	1
07.12334	150125C	1½" Female Coupler-1¼" Hose Shank	300	EPDM	1
07.12335	150125D	1½" Female Coupler-1¼" FemaleThread	300	EPDM	1
07.12336	150125E	1½" Male Adapter-1¼" Hose Shank	225	EPDM	10/BAG
07.12337	150125F	1½" Male Adapter-1¼" Male Thread	300	N/A	10/BAG
BN22226	150CAP	1½" Cap-Male Adapter	300	EPDM	1
07.12345	150PL	1½" Plug-Female Coupler	225	N/A	10/BAG

NOTE: 1½" x 1¼" couplings interchange with 1½" size couplings. Coupling and adapter ends are 1½" size. Only the threads and barbs are 1¼".

¾" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
7.12316	75A3/4	¾" Male Adapter-¾" Female Thread	225	N/A	10/BAG
7.12317	75B3/4	¾" Female Coupler-¾" Male Thread	300	EPDM	10/BAG
7.12318	075C	¾" Female Coupler-¾" Hose Shank	300	EPDM	10/BAG
7.12320	075D	¾" Female Coupler-¾" FemaleThread	300	EPDM	10/BAG
07.12321	075E	¾" Male Adapter-¾" Hose Shank	300	N/A	10/BAG
86988602	075F	¾" Male Adapter-¾" Male Thread	300	N/A	10/BAG
7.12319	075CAP	¾" Cap-Male Adapter	300	EPDM	10/BAG
7.12323	75PL	¾" Plug-Female Coupler	300	N/A	10/BAG

1" X 1¼" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
46.08317	125A	1" Male Adapter-1¼" Female Thread	300	N/A	10/BAG
07.07448	125B	1" Female Coupler-1¼" Male Thread	300	EPDM	10/BAG
7.08213	125C	1" Female Coupler-1¼" Hose Shank	300	EPDM	10/BAG
7.07414	125E	1" Male Adapter-1¼" Hose Shank	300	N/A	10/BAG
07.07449	125F	1" Male Adapter-1¼" Male Thread	300	N/A	10/BAG
BN2293318	100125CAP	1" Cap-Male Adapter	300	EPDM	10/BAG
48054996	100125PL	1" Plug-Female Coupler	300	N/A	10/BAG

1½" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
07.12338	150A	1½" Male Adapter-1½" Female Thread	225	N/A	10/BAG
413085A1	150B	1½" Female Coupler-1½" Male Thread	300	EPDM	1
07.12340	150C	1½" Female Coupler-1½" Hose Shank	300	EPDM	1
7.12342	150D	1½" Female Coupler-1½" FemaleThread	300	EPDM	1
7.12343	150E	1½" Male Adapter-1½" Hose Shank	200	N/A	10/BAG
86988594	150F	1½" Male Adapter-1½" Male Thread	300	N/A	10/BAG
BN22226	150CAP	1½" Cap-Male Adapter	300	EPDM	1
7.12345	150PL	1½" Plug-Female Coupler	225	N/A	10/BAG

2" POLY CAM LEVER COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
BN304330	200A	2" Male Adapter-2" Female Thread	225	N/A	10/BAG
07.12347	200B	2" Female Coupler-2" Male Thread	225	EPDM	1
6089	200C	2" Female Coupler-2" Hose Shank	225	EPDM	1
07.12350	200D	2" Female Coupler-2" FemaleThread	200	EPDM	1
07.12351	200E	2" Male Adapter-2" Hose Shank	200	N/A	10/BAG
34416002	200F	2" Male Adapter-2" Male Thread	300	N/A	10/BAG
BN22901	200CAP	2" Cap-Male Adapter	200	EPDM	1
405799A1	200CAPSH	2" Cap-Male Adapter w/Short Arms	200	EPDM	1
BN22900	200PL	2" Plug-Female Coupler	225	N/A	10/BAG

BANJO® – LEVER COUPLINGS

3" POLY CAM LEVER COUPLINGS					
CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
07.12400	300A	3" Male Adapter-3" Female Thread	100	N/A	1
07.07792	300B	3" Female Coupler-3" Male Thread	150	EPDM	1
07.12358	300C	3" Female Coupler-3" Hose Shank	200	EPDM	1
07.12362	300D	3" Female Coupler-3" Female Thread	200	EPDM	1
47514097	300E	3" Male Adapter-3" Hose Shank	150	N/A	1
84380173	300F	3" Male Adapter-3" Male Thread	100	N/A	1
87609772	300CAP	3" Cap-Male Adapter	100	EPDM	1
47689103	300PL	3" Plug-Female Coupler	150	N/A	1

4" W/3 ARMS POLY CAM LEVER COUPLINGS					
CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY
32.00806	400A	4" Male Adapter-4" Female Thread	75	N/A	1
87656021	400F	4" Male Adapter-4" Male Thread	75	N/A	1
32.00804	400CAP	4" Cap-Male Adapter (w/2 arms)	100	EPDM	1
07.26986	400PL	4" Plug-Female Coupler	75	N/A	1

REPLACEMENT PARTS			
CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	QTY
BN322573	V20207	11" Lanyard	1

Must order in bag quantities for quick and easy shipping and receiving of your order.

NOTE: PTFE Gaskets available upon request.

REPLACEMENT PARTS POLY COUPLING GASKETS			
CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	QTY
07.12304	75G	½" & ¾" EPDM Gasket	100/BAG
07.12300	100G	1" & 1¼" EPDM Gasket	100/BAG
BN303204	150G	1½" EPDM Gasket	100/BAG
07.07998	150GV	1½" FKM (viton type) Gasket	100/BAG
BN313772	200G	2" EPDM Gasket	50/BAG
07.11702	200GV	2" FKM (viton type) Gasket	25/BAG
BN321073	300G	3" EPDM Gasket	25/BAG
07.11704	300GV	3" FKM (viton type) Gasket	25/BAG
07.11458	400G	4" EPDM Gasket	25/BAG

BANJO® – COUPLINGS

FEATURES

- Glass reinforced polypropylene.
- Heavy duty (Schedule 80).
- Lightweight with excellent strength.
- NPT threads.
- Excellent chemical resistance.

Must order in bag quantities for quick and easy shipping and receiving of your order.

POLY NIPPLES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
87504874	NIP025-SH	¼" Short Poly Nipple	300	10/BAG
07.16412	NIP038-SH	3/8" Short Poly Nipple	300	10/BAG
BN73513	NIP050-SH	½" Short Poly Nipple	300	10/BAG
07.26786	NIP050-3	½" x 3" Poly Nipple	300	10/BAG
405788A1	NIP075-SH	¾" Short Poly Nipple	300	10/BAG
BN73576	NIP075-4	¾" x 4" Poly Nipple	300	10/BAG
07.26787	NIP075-6	¾" x 6" Poly Nipple	300	10/BAG
87608458	NIP100-SH	1" Short Poly Nipple	300	10/BAG
BN320169	NIP100-4	1" x 4" Poly Nipple	300	10/BAG
07.26788	NIP100-6	1" x 6" Poly Nipple	300	10/BAG
BN73659	NIP125-SH	1¼" Short Poly Nipple	300	10/BAG
BN323762	NIP125-4	1¼" x 4" Poly Nipple	300	10/BAG
BN321466	NIP125-6	1¼" x 6" Poly Nipple	300	10/BAG
07.10317	NIP150-SH	1½" Short Poly Nipple	300	10/BAG
07.26790	NIP150-3	1½" x 3" Poly Nipple	300	10/BAG
07.10406	NIP150-4	1½" x 4" Poly Nipple	300	10/BAG
07.26791	NIP150-5	1½" x 5" Poly Nipple	300	10/BAG
BN73722	NIP150-6	1½" x 6" Poly Nipple	300	10/BAG
07.10321	NIP200-SH	2" Short Poly Nipple	300	10/BAG
87533683	NIP200-4	2" x 4" Poly Nipple	300	10/BAG
BN73790	NIP200-6	2" x 6" Poly Nipple	300	10/BAG
07.15301	NIP300-SH	3" Short Poly Nipple	300	1
84380406	NIP300-4	3" x 4" Poly Nipple	300	1
21.20148	NIP300-6	3" x 6" Poly Nipple	300	1

POLY REDUCING NIPPLES

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.10380	RN050-038	½" x 3/8" Poly Reducing Nipple	300	10/BAG
406147A1	RN075-050	¾" x ½" Poly Reducing Nipple	300	10/BAG
07.10393	RN100-050	1" x ½" Poly Reducing Nipple	300	10/BAG
07.10397	RN100-075	1" x ¾" Poly Reducing Nipple	300	10/BAG
07.10398	RN125-075	1¼" x ¾" Poly Reducing Nipple	300	10/BAG
BN73656	RN125-100	1¼" x 1" Poly Reducing Nipple	300	10/BAG
07.10400	RN150-100	1½" x 1" Poly Reducing Nipple	300	10/BAG
BN73727	RN150-125	1½" x1¼" Poly Reducing Nipple	300	10/BAG
BN317158	RN200-125	2" x 1¼" Poly Reducing Nipple	300	10/BAG
BN73780	RN200-150	2" x 1½" Poly Reducing Nipple	300	10/BAG
BN86472	RN300-200	3" x 2" Poly Reducing Nipple	300	1

POLY PIPE COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
343552A1	CPLG038	3/8" Poly Pipe Coupling	300	10/BAG
07.17212	CPLG050	½" Poly Pipe Coupling	300	10/BAG
07.17213	CPLG075	¾" Poly Pipe Coupling	300	10/BAG
87558397	CPLG100	1" Poly Pipe Coupling	300	10/BAG
07.17311	CPLG125	1¼" Poly Pipe Coupling	300	10/BAG
87502115	CPLG150	1½" Poly Pipe Coupling	300	10/BAG
84283600	CPLG200	2" Poly Pipe Coupling	300	10/BAG
07.09642	CPLG300	3" Poly Pipe Coupling	225	1

POLY REDUCING COUPLINGS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.10379	RC100-075	1" x ¾" Poly Reducing Coupling	300	10/BAG
BN73737	RC150-100	1½" x 1" Poly Reducing Coupling	300	10/BAG
07.10389	RC150-125	1½" x1¼" Poly Reducing Coupling	300	10/BAG
07.10392	RC200-100	2" x 1" Poly Reducing Coupling	300	10/BAG
07.10265	RC200-125	2" x 1¼" Poly Reducing Coupling	300	10/BAG
BN73776	RC200-150	2" x 1½" Poly Reducing Coupling	300	10/BAG

POLY REDUCING BUSHING

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.13343	RB038-025	3/8" MPT x ¼" FPT Reducing Bushing	300	10/BAG
BN304521	RB050-025	½" MPT x ¼" FPT Reducing Bushing	300	10/BAG
87385590	RB075-018	¾" MPT x 1/8" FPT Reducing Bushing	300	10/BAG
07.11607	RB075-025	¾" MPT x ¼" FPT Reducing Bushing	300	10/BAG
07.16422	RB075-038	¾" MPT x 3/8" FPT Reducing Bushing	300	10/BAG
BN73552	RB075-050	¾" MPT x ½" FPT Reducing Bushing	300	10/BAG
8610	RB100-025	1" MPT x ¼" FPT Reducing Bushing	300	10/BAG
07.17402	RB100-050	1" MPT x ½" FPT Reducing Bushing	300	10/BAG
BN53665	RB100-075	1" MPT x ¾" FPT Reducing Bushing	300	10/BAG
BN73653	RB125-075	1¼" MPT x ¾" FPT Reducing Bushing	300	10/BAG
7294	RB125-100	1¼" MPT x 1" FPT Reducing Bushing	300	10/BAG
BN73716	RB150-075	1½" MPT x ¾" FPT Reducing Bushing	300	10/BAG
07.10276	RB150-100	1½" MPT x 1" FPT Reducing Bushing	300	10/BAG
07.10255	RB150-125	1½" MPT x1¼" FPT Reducing Bushing	300	10/BAG
07.07436	RB200-075	2" MPT x ¾" FPT Reducing Bushing	300	10/BAG
BN307007	RB200-100	2" MPT x 1" FPT Reducing Bushing	300	10/BAG
BN73755	RB200-125	2" MPT x 1¼" FPT Reducing Bushing	300	10/BAG
07.10258	RB200-150	2" MPT x 1½" FPT Reducing Bushing	300	10/BAG
46.02089	RB300-150	3" MPT x 1½" FPT Reducing Bushing	300	1
84380658	RB300-200	3" MPT x 2" FPT Reducing Bushing	300	1
32.00933	RB400-300	4" MPT x 3" FPT Reducing Bushing	300	1

BANJO® – POLYPROPYLENE PIPE FITTINGS

90° POLY ELBOWS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.26773	EL038-90	3/8" 90° Poly Elbow	300	10/BAG
07.13366	EL050-90	½" 90° Poly Elbow	300	10/BAG
87580531	EL075-90	¾" 90° Poly Elbow	300	10/BAG
6758	EL100-90	1" 90° Poly Elbow	300	10/BAG
BN313202	EL125-90	1¼" 90° Poly Elbow	300	10/BAG
BN73713	EL150-90	1½" 90° Poly Elbow	300	10/BAG
07.10298	EL200-90	2" 90° Poly Elbow	300	1
07.07342	EL300-90	3" 90° Poly Elbow	300	1

45° POLY STREET ELBOWS

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
07.10423	SL075-45	¾" 45° Poly Street Elbow	300	10/BAG
07.10424	SL100-45	1" 45° Poly Street Elbow	300	10/BAG
07.10356	SL125-45	1¼" 45° Poly Street Elbow	300	10/BAG
07.10358	SL150-45	1½" 45° Poly Street Elbow	300	10/BAG
BN73793	SL200-45	2" 45° Poly Street Elbow	225	10/BAG
32.00753	SL300-45	3" 45° Poly Street Elbow	300	1

45° POLY ELBOW

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
BN307203	EL100-45	1" 45° Poly Street Elbow	300	10/BAG

90° POLY HOSE BARB ELBOW

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
342684A1	HBEL100-90	1" 90° Poly Hose Barb Elbow	300	10/BAG

90° POLY STREET ELBOWS

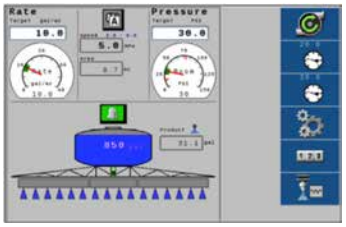
CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
47766691	SL025-90	¼" 90° Poly Street Elbow	300	10/BAG
07.07438	SL038-90	3/8" 90° Poly Street Elbow	300	10/BAG
07.10377	SL050-90	½" 90° Poly Street Elbow	300	10/BAG
BN73566	SL075-90	¾" 90° Poly Street Elbow	300	10/BAG
07.13371	SL100-90	1" 90° Poly Street Elbow	300	10/BAG
BN324890	SL125-90	1¼" 90° Poly Street Elbow	300	10/BAG
07.10376	SL150-90	1½" 90° Poly Street Elbow	300	10/BAG
BN73785	SL200-90	2" 90° Poly Street Elbow	300	10/BAG
87609773	SL300-90	3" 90° Poly Street Elbow	300	1

90° POLY HOSE BARB ELBOW

CNH INDUSTRIAL PART NO.	BANJO PART NO.	DESCRIPTION	PSI	QTY
BN2390521	HBEL150/100-90	1½" x 1" 90° Poly Hose Barb Elbow	300	1

Note: Must order in bag quantities for quick and easy shipping and receiving of your order.

AIM COMMAND FLEX™ – ADVANCED SPRAY TECHNOLOGY



The AIM Command FLEX spray system is designed to provide product rate and spray pressure control via an ISOBUS Universal Terminal (UT).

Adding the AIM Command FLEX spray system to an existing ISOBUS product control system will allow a machine operator to monitor and control product application rate and pressure independently directly from the UT without additional displays, controllers, or consoles.

AIM Command FLEX operates through the sprayer's rate controller, either the Case IH AFS Pro 700 or Case IH Viper® 4+, reducing the number of displays found in the cab.

APPLICATIONS

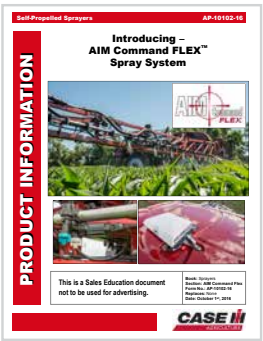
- MY17-18 Patriot Sprayers
- MY09-MY16 Patriot Sprayers

WARRANTY

AIM Command FLEX is warranted for 12 months from the date of sale.

SUPPORTING MATERIALS:

AIM Command FLEX product information (AP-10102-16) can be found in the Case IH Asset library.



FEATURES:

- Product rate and spray pressure control compatible with the Case IH AFS Pro 700 and Case IH Viper 4+ displays
- Single user interface via the ISOBUS Universal Terminal
- 36 virtual boom sections
- Turn compensation
- Ability to increase the application rate of up to 8 nozzles by up to 30%
- Compliant with imported boundaries and prescription maps
- Accurate as applied shape file output for map/report creation
- Nozzle valve diagnostics
- Remote nozzle check/operation through an App on your smart phone, tablet, iPod, etc.
- Easily upgradeable to individual nozzle control (only with Case IH Viper 4+ display)
- No additional hardware required – feature enabled by purchasing a software activation key

Beyond spray system control, AIM Command FLEX is fully compatible with the Sidekick Pro ICD Direct Injection System.

ACCESSORIES

Service kits are available for the nozzle control valve.

PART NO.	VENDOR DESCRIPTION
48031206	Kit, CNH Industrial System Service, Wilger (Includes, nozzle body, service tools, 3 poppet replacement kits)
48031204	Kit, CNH Industrial System Service, HYPRO/ARAG (Includes, nozzle body, service tools, 3 poppet replacement kits)
117-1005-211	Kit, 100 Pcs, Replacement Poppets/Seals, HYPRO/ARAG
117-1005-212	Kit, 100 Pcs, Replacement Poppets/Seals, Wilger

AIM COMMAND FLEX™ – ORDERING DETAILS

There are 6 sections to review when ordering AIM Command FLEX:

- Section 1 lists the base kits – choose one part number from this section.
- Sections 2 to 6 are divided by Sprayer Model Year and display type. Find the section which relates to the sprayer you are upgrading and choose the parts listed in that section as needed.

Note: The Case IH Viper 4+ display is not compatible with AFS AccuGuide. A Raven autoguidance system is required when using the Case IH Viper 4+ for guidance.

SECTION 1 – BASE KIT

Choose one part number from this section based on the sprayer model year and boom configuration

PART NO.	VENDOR DESCRIPTION
117-1007-130	MY09-16 120' Boom w/ Arag nozzle bodies
117-1007-131	MY09-16 100' Boom w/ Arag nozzle bodies
117-1007-132	MY09-16 90' Boom w/ Arag nozzle bodies
117-1007-133	MY09-16 80' Boom w/ Arag nozzle bodies
117-1007-134	MY09-16 120' Boom w/ Wilger nozzle bodies
117-1007-135	MY09-16 100' Boom w/ Wilger nozzle bodies
117-1007-136	MY09-16 90' Boom w/ Wilger nozzle bodies
117-1007-137	MY09-16 80' Boom w/ Wilger nozzle bodies
117-1007-138	MY17 and newer 120' boom w/ Arag nozzle bodies
117-1007-139	MY17 and newer 100' boom w/ Arag nozzle bodies
117-1007-140	MY17 and newer 90' boom w/ Arag nozzle bodies
117-1007-141	MY17 and newer 80' boom w/ Arag nozzle bodies
117-1007-142	MY17 and newer 120' boom w/ Wilger nozzle bodies
117-1007-143	MY17 and newer 100' boom w/ Wilger nozzle bodies
117-1007-144	MY17 and newer 90' boom w/ Wilger nozzle bodies
117-1007-145	MY17 and newer 80' boom w/ Wilger nozzle bodies

SECTION 2 – MY2009-MY2016 SPRAYERS WITH CASE IH AFS PRO 700 DISPLAY

A. UPGRADE TO ISO AUTOFOLD PLUS NODE

If the sprayer is from MY2009-MY2016, equipped with 120-ft. booms and has the Case IH AFS Pro 700 display then the AutoFold Plus node would need to be replaced with both part numbers below.

PART NO.	VENDOR DESCRIPTION
48030091	ISO Autofold Control Node (Large)
48030094	ISO Autofold Hydraulic Switch Node (Small)

B. UPGRADE TO ISO AUTOBOOM NODE

If the sprayer is from MY2009-MY2016, has the Case IH AFS Pro 700 display and has the optional AutoBoom automatic boom height control node then this would need to be replaced with the part number below:

PART NO.	VENDOR DESCRIPTION
48030111	ISO Autoboom Node

C. UPGRADE TO INDIVIDUAL NOZZLE CONTROL

For individual nozzle control, upgrade from the Case IH AFS Pro 700 display to the Case IH Viper 4+ display. Requires both part numbers listed below.

Note: The Case IH Viper 4+ display is not compatible with the Case IH guidance system (specifically the navigation controller)

PART NO.	VENDOR DESCRIPTION
117-5010-054	Viper 4+ Kit (ISO Product Control Unlocked, No Gps, Console Cable)
48026498*	Nozzle Level Control Activation Key For ISO Product Controller II Node

* See activation process on page 149

AIM COMMAND FLEX™ – ORDERING DETAILS (CONTINUED)

SECTION 3 – MY2009-MY2016 SPRAYERS WITH CASE IH VIPER 4 DISPLAY

A. TASK CONTROLLER ACTIVATION CODE

The Case IH Viper 4 requires the ISO Task Controller (with section control) activation to operate the AIM Command FLEX Spray System.

PART NO.	VENDOR DESCRIPTION
077-0180-149*	ISO Task Control W/ Section Control Activation (Needed for Viper 4's only. Included with Viper 4+)

B. UPGRADE TO INDIVIDUAL NOZZLE CONTROL

Upgrade the Case IH Viper 4 display with 36 virtual sections to individual nozzle control. Requires the activation code listed below.

PART NO.	VENDOR DESCRIPTION
48026498*	Nozzle Level Control Activation Key For ISO Product Controller II Node

* See activation process on page 149

SECTION 4 – MY2009-MY2016 SPRAYERS WITH CASE IH VIPER PRO DISPLAY

A. UPGRADE TO CASE IH VIPER 4+ DISPLAY

The Case IH Viper Pro display would need to be replaced with the Case IH Viper 4+ display to be able to operate the AIM Command FLEX Spray System

Note: The Case IH Viper 4+ display is **not compatible** with AFS AccuGuide. A Raven autoguidance system is required when using the Case IH Viper 4+ for guidance.

PART NO.	VENDOR DESCRIPTION
117-5010-054	Viper 4+ Kit (ISO Product Control Unlocked, No GPS, Console Cable)

B. UPGRADE TO INDIVIDUAL NOZZLE CONTROL

Upgrade the Case IH Viper 4+ display with 36 virtual sections to individual nozzle control. Requires the activation code listed below.

PART NO.	VENDOR DESCRIPTION
48026498*	Nozzle Level Control Activation Key For ISO Product Controller II Node

* See activation process on page 149

SECTION 5 – MY2017 AND NEWER SPRAYERS WITH CASE IH AFS PRO 700 DISPLAY

MY2017 and newer sprayers with the Case IH AFS Pro 700 display can operate the AIM Command FLEX Spray System, but with 36 virtual sections.

A. UPGRADE TO INDIVIDUAL NOZZLE CONTROL

For individual nozzle control, upgrade from the Case IH AFS Pro 700 display to the Case IH Viper 4+ display. Requires both part numbers listed below.

Note: The Case IH Viper 4+ display is **not compatible** with AFS AccuGuide. A Raven autoguidance system is required when using the Case IH Viper 4+ for guidance.

PART NO.	VENDOR DESCRIPTION
117-5010-054	Viper 4+ Kit (ISO Product Control Unlocked, No GPS, Console Cable)
48026498*	Nozzle Level Control Activation Key For ISO Product Controller II Node

* See activation process on page 149

SECTION 6 – MY2017 AND NEWER SPRAYERS WITH CASE IH VIPER 4+ DISPLAY

MY2017 and newer sprayers with the Case IH Viper 4+ display can operate the AIM Command FLEX Spray System, but with 36 virtual sections

A. UPGRADE TO INDIVIDUAL NOZZLE CONTROL

Upgrade the Case IH Viper 4+ display with 36 virtual sections to individual nozzle control. Requires the activation code listed below.

PART NO.	VENDOR DESCRIPTION
48026498*	Nozzle Level Control Activation Key For ISO Product Controller II Node

* See activation process on page 149

AIM COMMAND FLEX™ – ORDERING DETAILS (CONTINUED)

SECTION 7 – ACTIVATION PROCESS

HOW TO UPGRADE AIM COMMAND FLEX SYSTEM TO NOZZLE LEVEL CONTROL

Step 1. Place order for part number to create an order #.

Step 2. Submit the order # to precisionsolutions@cnhind.com.

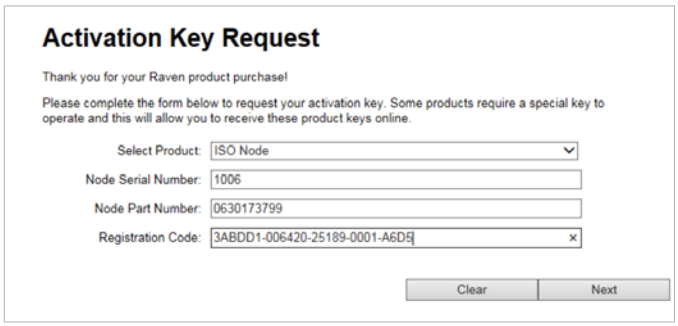
Step 3. The precisionsolutions@cnhind.com will email back the registration code.

Step 4. Register this code at www.RavenHelp.com

Step 5. Click on the **ACTIVATION KEY REQUEST**

Step 6. Select **ISO NODE** from drop down menu

Step 7. Fill in Node Serial Number, Node Part Number and Registration Code. (The Registration Code is the code provide in the e-mail)

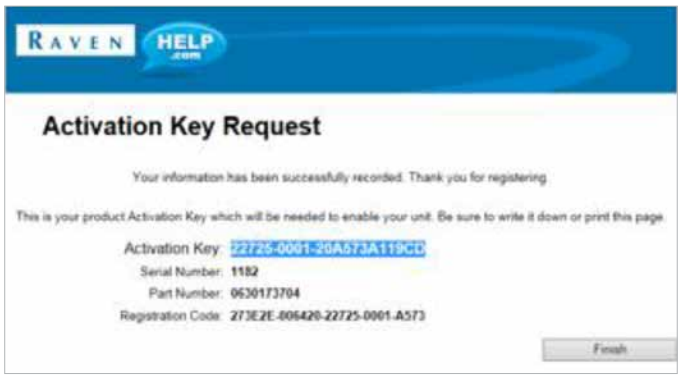


Step 8. Click next

Step 9. Fill in contact information

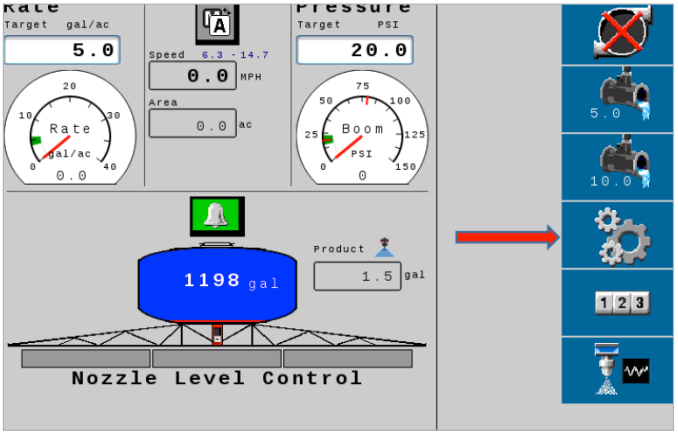
Step 10. Click next

Step 11. This will generate an Authorization Key. Save and print this number.



Step 12. Enter the Activation Key number into the ISO Product Controller through the VT screen.

Step 13. Touch the Settings Icon

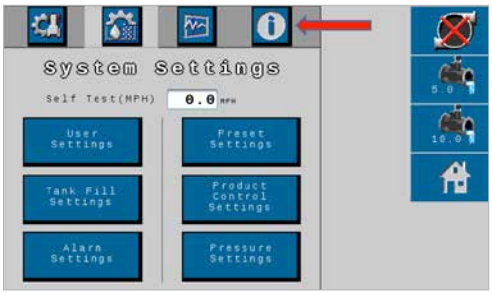


AIM COMMAND FLEX™ – ORDERING DETAILS (CONTINUED)

SECTION 7 – ACTIVATION PROCESS (CONTINUED)

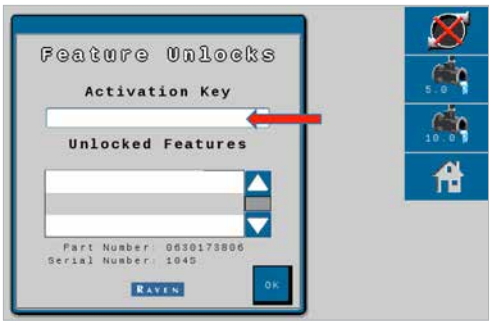
HOW TO UPGRADE AIM COMMAND FLEX SYSTEM TO NOZZLE LEVEL CONTROL

Step 14. Touch the Information Tab

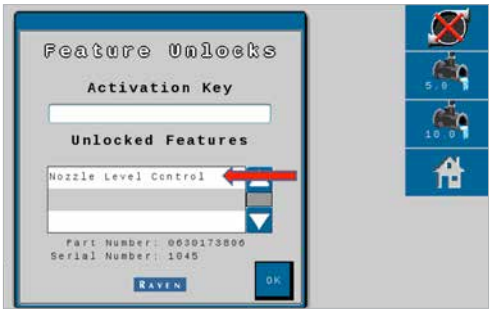


Step 15. Touch the Key Icon

Step 16. Enter Activation Key



Step 17. If upgrade is successful **Nozzle Level Control** will be displayed in the Unlocked Features section

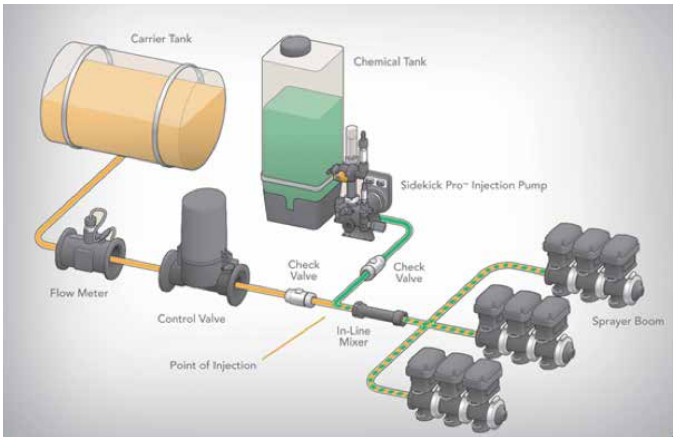


SIDEKICK PRO™ – DIRECT INJECTION SYSTEM

The Sidekick Pro Direct Injection System is designed to provide efficient and accurate application of liquid chemicals applied from an injection module.

By using a separate injection module or tank, the system eliminates mixing chemicals in the product/main tank, reduces chemical waste, and simplifies equipment care and maintenance.

Connect up to two injection systems to the ISOBUS to control the whole system through the AFS Pro 700, Case IH Viper 4+ or any display containing the ISOBUS Universal Terminal (UT).



ADVANTAGES AND VALUES:

- Little or no tank mixing
- Use of specific chemicals for specific jobs (ex. Treating volunteer corn in soybeans)
- Saves time for flushing and rinsing of main tank
- Reduce need for handling of rinsed material from main tank when changing chemicals
- Safe handling of dangerous chemicals
- More accurate application
- Separate product for field records
- Buffer zone application
- Single User Interface via the ISOBUS Universal Terminal.

TARGET MARKET

- Customers wanting to avoid tank mixing chemicals, safety concerns
- Commercial application customers
- NH3 toolbars using nitrogen stabilizers (N-Serve, etc.)
- Compatibility
- AFS Pro 700, Case IH Viper 4+ and any display containing the ISOBUS Universal Terminal
- There is a limit of two injection systems per field computer

ORDERING DETAILS

There are 4 sections to review based on the sprayer model year. Find the section which relates to the sprayer that you are upgrading and choose the parts listed in that section as required.

SECTION 1 – MY2009-MY2016 SPRAYERS WITH PROPRIETARY ECU'S (NON ISOBUS RATE CONTROL)

Choose one part number from this section based on the boom configuration:

A. INSTALLATION KIT:

Select the correct installation kit based on your current sprayer:

PART NO.	VENDOR DESCRIPTION
47803056	Kit, Installation, CAN Sidekick Pro Injection, Case IH 32/33/44xx, Single HV Pump
47803057	Kit, Installation, CAN Sidekick Pro Injection, Case IH 32/33/44xx, Dual HV Pump
47803060	Kit, Installation, CAN Sidekick Pro Injection, Case IH 22xx, Single HV Pump

B. UPGRADES

Choose any upgrades required from the list below:

PART NO.	VENDOR DESCRIPTION
47803066	Kit, Upgrade, CAN Sidekick Pro Injection, Case IH 32/33/44xx, Single to Dual HV Pump
47803068	Kit, Upgrade, CAN Sidekick Pro Injection, Case IH 32/33/44xx, High Flow
73343649	Kit, Agitator, 50 Gallon Tank, Case IH
73343650	Kit, Agitator, 24 Gallon Tank, Case IH

Ordering directions continue on next page

SIDEKICK PRO™ – DIRECT INJECTION SYSTEM

SECTION 2 – MY2009-MY2016 SPRAYERS WITH AIM COMMAND FLEX™

A. INSTALLATION KIT:

Select the correct installation kit based on your current sprayer:

PART NO.	VENDOR DESCRIPTION
117-0175-021	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Single HV Pump
117-0175-022	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Dual HV Pump
117-0175-023	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 22xx, Single HV Pump
117-0175-025	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Single LV Pump
117-0175-026	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Dual LV Pump
117-0175-027	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 22xx, Single LV Pump

B. UPGRADES

Choose any upgrades required from the list below:

PART NO.	VENDOR DESCRIPTION
117-0175-024	Kit, Upgrade, SideKick Pro ICD, Case IH MY2009-2017 32/33xx/44xx, Single to Dual Pump
117-0175-028	Kit, Upgrade, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx/44xx, Single to Dual LV Pump
47803068	Kit, Upgrade, Sidekick Pro Injection, Case IH 32/33/44xx, High Flow
73343649	Kit, Agitator, 50 Gallon Tank, Case IH
73343650	Kit, Agitator, 24 Gallon Tank, Case IH

SECTION 3 – MY2009-MY2016 SPRAYERS WITHOUT AIM COMMAND FLEX

PART NO.	VENDOR DESCRIPTION
47803056	Kit, Installation, CAN Sidekick Pro Injection, Case IH 32/33/44xx, 120', Single HV Pump
47803057	Kit, Installation, CAN Sidekick Pro Injection, Case IH 32/33/44xx, 120', Dual HV Pump
47803060	Kit, Installation, CAN Sidekick Pro Injection, Case IH 22xx, Single HV Pump
47803066	Kit, Upgrade, CAN Sidekick Pro Injection, Case IH 32/33/44xx, Single to Dual HV Pump

B. UPGRADES

Refer to the upgrades table in Section 2 (above).

SECTION 4 – MY2017 AND NEWER SPRAYERS

A. INSTALLATION KIT:

Select the correct installation kit based on your current sprayer:

PART NO.	VENDOR DESCRIPTION
117-0175-021	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Single HV Pump
117-0175-022	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Dual HV Pump
117-0175-023	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 22xx, Single HV Pump
117-0175-025	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Single LV Pump
117-0175-026	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 32/33xx and MY2009-2016 44xx, Dual LV Pump
117-0175-027	Kit, Installation, Sidekick Pro ICD, Case IH MY2009-2017 22xx, Single LV Pump
117-0175-029	Kit, Installation, Sidekick Pro ICD, Case IH MY2017 4xxx, Dual HV Pump
117-0175-030	Kit, Installation, Sidekick Pro ICD, Case IH MY2017 4xxx, Single HV Pump
117-0175-031	Kit, Installation, Sidekick Pro ICD, Case IH MY2017 4xxx, Dual LV Pump
117-0175-032	Kit, Installation, Sidekick Pro ICD, Case IH MY2017 4xxx, Single LV Pump

B. UPGRADES

Refer to the upgrades table in Section 2 (to right).

WARRANTY

The Direct Injection System is warranted for 12 months from the date of sale.

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PAGE
47726635	55295-1-12	87
47752432	58456-1/4	98
47753812	CP7717-3-912-VI	98
47780608	CP55242-PP	97
47780622	CP48152-PP	96
47804777	CP48150-PP	96
51402008	46024	97
51402009	46070	97
51402017	4676-1/2	92
51402018	1/2XP40L-VP	47
51402020	1/2XP40R-VP	47
51402022	1/2XP80L-VP	47
51402024	1/2XP80R-VP	47
51402026	1/4KLC-SS18	49
51402027	1/4KLC-SS36	49
51402028	1/4KLC-SS5	49
51402029	1/4KLC-SS9	49
51402030	1/4K-SS10	43
51402031	1/4K-SS12	43
51402032	1/4K-SS15	43
51402033	1/4K-SS18	43
51402034	1/4K-SS2	43
51402035	1/4K-SS2.5	43
51402036	1/4K-SS20	43
51402037	1/4K-SS22	43
51402038	1/4K-SS24	43
51402039	1/4K-SS27	43
51402040	1/4K-SS3	43
51402042	1/4K-SS5	43
51402043	1/4K-SS7.5	43
51402044	1/4TTJ02-VS	44
51402045	1/4TTJ04-VS	44
51402046	1/4TTJ05-VS	44
51402047	1/4TTJ06-VP	44
51402048	1/4TTJ06-VS	44
51402049	1/4TTJ08-VP	44, 47
51402050	1/4TTJ08-VS	44, 47
51402051	1/4TTJ10-VP	44, 47
51402052	1/4TTJ10-VS	44, 47
51402053	1/4TTJ15-VP	44, 47
51402054	1/4TTJ15-VS	44, 47
51402055	1/4XP10L-VP	47
51402056	1/4XP10R-VP	47
51402057	1/4XP20L-VP	47
51402059	1/4XP20R-VP	47
51402061	1/4XP25L-VP	47
51402063	1/4XP25R-VP	47
51402077	12201-CE-1062TD	90
51402078	12201-CE-785TD	90
51402079	12202-CE-1062TD	90
51402080	12202-CE-785TD	90
51402082	12328-1/2-NYB	85
51402083	12328-3/4	85
51402084	12328-3/4-NYB	85
51402087	22669-1/4-PPB	91
51402088	18635-111-406-NYB	73
51402089	18636-112-406-NYB	73
51402090	18637-113-406-NYB	73
51402091	18638-111-540-NYB	73
51402092	18639-112-540-NYB	73

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PAGE
51402093	18640-113-540-NYB	73
51402100	18719-111-785-NYB	73
51402101	18720-112-785-NYB	73
51402102	18721-113-785-NYB	73
51402107	19349-211-406-NYB	73
51402108	19349-211-540-NYB	73
51402109	19349-211-785-NYB	73
51402110	19350-212-406-NYB	73
51402111	19350-212-540-NYB	73
51402112	19350-212-785-NYB	73
51402113	19351-213-406-NYB	73
51402114	19351-213-540-NYB	73
51402115	19351-213-785-NYB	73
51402116	19843-NYR	83
51402117	19845-25-PP	105
51402118	19845-50-PP	105
51402125	21353-6-15-NYB	89
51402126	21353-6-24-NYB	89
51402127	21354-15-NYB	89
51402128	21354-24-NYB	89
51402129	21398H-10-CELR	83
51402130	21398H-1-CELR	83
51402131	21398H-2-CELR	83
51402132	21398H-3-CELR	83
51402133	21398H-4-CELR	83
51402134	21398H-5-CELR	83
51402135	21398H-6-CELR	83
51402136	21398H-7-CELR	83
51402137	21398H-8-CELR	83
51402139	21950-10-NYB	86
51402140	21950-15-NY	86
51402141	21950-20-NYB	86
51402142	21950-2-NYB	86
51402143	21950-5-NYB	86
51402144	21950-8-NYB	86
51402146	23770-SS	86
51402147	22251-311-375-NYB	73
51402149	4202-2-1/4T	89
51402150	22251-311-500-NYB	73
51402152	22251-311-750-NYB	73
51402155	22252-312-375-NYB	73
51402157	22252-312-500-NYB	73
51402159	22252-312-750-NYB	73
51402173	22650-PP-1/4	117
51402174	22650-PP-300	117
51402175	22650-PP-406	117
51402179	22670-PP-15-1/4	117
51402180	22670-PP-15-300	117
51402181	22670-PP-15-406	117
51402182	22670-PP-24-1/4	117
51402183	22670-PP-24-300	117
51402184	22670-PP-24-406	117
51402185	22674-1/4-NYB	84
51402186	23120-1/2-PP	103
51402187	23120-1/2-PP-60	103
51402188	23120-1/2-PP-60-VI	103
51402189	23120-3/4-PP	103
51402190	23120-3/4-PP-60	103
51402191	23120-3/4-PP-60-VI	103
51402192	23120A-1/2-PP	103

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PAGE
51402193	23120A-3/4-PP	103
51402194	23306H-10-CELR	83
51402195	23306H-1-CELR	83
51402196	23306H-2-CELR	83
51402197	23306H-3-CELR	83
51402198	23306H-4-CELR	83
51402199	23306H-5-CELR	83
51402200	23306H-6-CELR	83
51402201	23306H-7-CELR	83
51402202	23306H-8-CELR	83
51402217	24216A-1/2M-NYB	76
51402218	24216A-1/2-NYB	76
51402219	24216A-1/2X7-NYB	76
51402220	24216A-1-NYB	76
51402221	24216A-20MM-NYB	76
51402222	24216A-20MMX7-NYB	76
51402223	24216A-3/4-NYB	76
51402226	24230A-1-540-NYB	74
51402227	24230A-1-785NYB	74
51402229	24230A-2-540-NYB	74
51402230	24230A-2-785-NYB	74
51402231	24230A-3-540-NYB	74
51402232	24230A-3-785-NYB	74
51402235	25596-1-NYR	82
51402236	25596-2-NYR	82
51402237	25596-3-NYR	82
51402238	25596-4-NYR	82
51402239	25596-5-NYR	82
51402240	25596-6-NYR	82
51402241	25596-7-NYR	82
51402242	25596-8-NYR	82
51402243	25598-10-NYR	82
51402244	25598-1-NYR	82
51402245	25598-2-NYR	82
51402246	25598-3-NYR	82
51402247	25598-4-NYR	82
51402248	25598-5-NYR	82
51402249	25598-6-NYR	82
51402250	25598-7-NYR	82
51402251	25598-8-NYR	82
51402252	25600-1-NYR	82
51402253	25600-2-NYR	82
51402254	25600-3-NYR	82
51402255	25600-4-NYR	82
51402256	25600-5-NYR	82
51402257	25600-6-NYR	82
51402258	25600-7-NYR	82
51402259	25600-8-NYR	82
51402260	25608-1-NYR	82
51402261	25608-2-NYR	82
51402262	25608-3-NYR	82
51402263	25608-4-NYR	82
51402264	25608-5-NYR	82
51402265	25608-6-NYR	82
51402266	25608-7-NYR	82
51402267	25608-8-NYR	82
51402268	25608-9-PP	82
51402269	25610-1-NYR	82
51402270	25610-2-NYR	82
51402271	25610-3-NYR	82

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

CNH INDUSTRIAL PART NO.	TEEJET PART NO.	PAGE
51403771	AIXR11002VP	29
51403773	AIXR11003VP	29
51403775	AIXR11004VP	29
51403777	AIXR11005VP	29
51403779	AIXR11006VP	29
51403786	CP12094-NYB	91
51403793	CP12285-1-SS	110
51403794	CP12285-2-SS	110
51403795	CP12285-3-SS	110
51403796	CP12285-4-SS	110
51403798	CP12285-6-SS	110
51403808	CP12290-1-SS	110
51403809	CP12290-2-SS	110
51403810	CP12290-3-SS	110
51403811	CP12290-4-SS	110
51403815	CP12290-8-SS	110
51403829	CP1321	91
51403831	CP1321-SS	91
51403832	CP1322	91
51403835	CP1322-SS	91
51403836	CP1323	91
51403838	CP1324	91
51403840	CP1325	91
51403841	CP1325-AL	91
51403843	CP1325-SS	91
51403845	CP1335	91
51403848	CP1336	91
51403851	CP1339	91
51403853	CP1340	91
51403865	CP14634-1-SS	111
51403866	CP14634-2-SS	111
51403867	CP14634-3-SS	111
51403868	CP14634-4-SS	111
51403869	CP14634-8-SS	111
51403910	CP15941-1-SSPP	109, 111
51403911	CP15941-2-SSPP	109, 111
51403912	CP15941-3-SSPP	109, 111
51403913	CP15941-4-SSPP	109, 111
51403914	CP15941-5-SSPP	109, 111
51403915	CP15941-6-SSPP	109, 111
51403922	CP16903-1-SSPP	108, 111
51403923	CP16903-2-SSPP	111
51403924	CP16903-3-SSPP	108, 111
51403925	CP16903-4-SSPP	108, 111
51403926	CP16903-5-SSPP	108, 111
51403927	CP16903-6-SSPP	108, 111
51403928	CP16903-7-SSPP	108, 111
51403933	CP18032A-NYB	91
51404016	CP20230	91
51404025	CP21399-10-CE	83
51404026	CP21399-1-CE	83
51404027	CP21399-2-CE	83
51404028	CP21399-3-CE	83
51404029	CP21399-4-CE	83
51404030	CP21399-5-CE	83
51404031	CP21399-6-CE	83
51404032	CP21399-7-CE	83
51404033	CP21399-8-CE	83
51404043	CP21953-EPR	86
51404080	CP22664-PP	114
51404084	CP22673-PP	114
51404105	CP23174-1-304SS	107
51404106	CP23174-2-304SS	107
51404107	CP23174-7-304SS	107
51404113	CP23307-10-CE	83
51404114	CP23307-1-CE	83
51404115	CP23307-2-CE	83
51404116	CP23307-3-CE	83
51404117	CP23307-4-CE	83
51404118	CP23307-5-CE	83
51404119	CP23307-6-CE	83
51404120	CP23307-7-CE	83
51404121	CP23307-8-CE	83
51404184	CP25595-1-NY	82
51404185	CP25595-2-NY	82
51404186	CP25595-3-NY	82
51404187	CP25595-4-NY	82
51404188	CP25595-5-NY	82
51404189	CP25595-6-NY	82
51404190	CP25595-7-NY	82
51404191	CP25595-8-NY	82
51404192	CP25597-10-NY	82
51404193	CP25597-1-NY	82
51404194	CP25597-2-NY	82
51404195	CP25597-3-NY	82
51404196	CP25597-4-NY	82
51404197	CP25597-5-NY	82
51404198	CP25597-6-NY	82
51404199	CP25597-7-NY	82
51404200	CP25597-8-NY	82
51404201	CP25599-1-NY	82
51404202	CP25599-2-NY	82
51404203	CP25599-3-NY	82
51404204	CP25599-4-NY	82
51404205	CP25599-5-NY	82
51404206	CP25599-6-NY	82
51404207	CP25599-7-NY	82
51404208	CP25599-8-NY	82
51404210	CP25607-1-NY	82
51404211	CP25607-2-NY	82
51404212	CP25607-3-NY	82
51404213	CP25607-4-NY	82
51404214	CP25607-5-NY	82
51404215	CP25607-6-NY	82
51404216	CP25607-7-NY	82
51404217	CP25607-8-NY	82
51404218	CP25607-9-PP	82
51404219	CP25609-1-NY	82
51404220	CP25609-2-NY	82
51404221	CP25609-3-NY	82
51404222	CP25609-4-NY	82
51404223	CP25609-5-NY	82
51404224	CP25609-6-NY	82
51404225	CP25609-7-NY	82
51404226	CP25609-8-NY	82
51404227	CP25611-10-NY	82
51404228	CP25611-1-NY	82
51404229	CP25611-2-NY	82
51404230	CP25611-3-NY	82
51404231	CP25611-4-NY	82
51404232	CP25611-5-NY	82
51404233	CP25611-6-NY	82
51404234	CP25611-7-NY	82
51404235	CP25611-8-NY	82
51404236	CP25611-9-PP	82
51404238	CP25670-1.5-NY	114
51404239	CP25670-3.0-NYB	114
51404240	CP25670-4.0-NY	114
51404260	CP26277-1-NY	82
51404304	CP37166-1-302SS	98
51404329	CP3817	91
51404330	CP3817-SS	91
51404331	CP3818	91
51404332	CP3818-SS	91
51404333	CP3819	91
51404334	CP3819-SS	91
51404413	CP45102-3-SSPP	107
51404414	CP45102-4-SSPP	107
51404415	CP45102-5-SSPP	107
51404421	CP45207-PP	96
51404423	CP45251-PP	97
51404432	CP45504-PP	96
51404433	CP45505-PP	96
51404434	CP45506-PP	96
51404435	CP45507-PP	96
51404436	CP45508-1/4-PP	96
51404440	CP45512-PP	97
51404453	CP45526-NYB	98
51404454	CP45527-NYB	98
51404455	CP45539-3/8-PP	96
51404475	CP46029-PP	98
51404479	CP46066-PP	97
51404480	CP46067-PP	96
51404481	CP46069-PP	96
51404488	CP46127-1/4-PP	96
51404489	CP46127-3/8-PP	96
51404491	CP4620-FA	86
51404500	CP4624	86
51404507	CP46716-PP	97
51404508	CP46717-PP	97
51404518	CP48151-PP	96
51404520	CP48154-PP	97
51404521	CP48155-PP	96
51404522	CP48156-PP	96
51404523	CP48157-PP	96
51404524	CP48158-PP	96
51404525	CP48160-PP	96
51404526	CP48161-PP	96
51404527	CP48162-PP	96
51404528	CP48163-PP	96
51404529	CP48164-PP	96
51404530	CP48165-PP	96
51404531	CP48166-PP	96
51404532	CP48167-PP	96
51404533	CP48168-PP	96
51404534	CP48169-PP	96
51404535	CP48172-PP	96
51404555	CP4916-008	66
51404556	CP4916-10	66
51404557	CP4916-103	67

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY TEEJET PART NO.

TEEJET PART NO.	CNH INDUSTRIAL PART NO.	PAGE
1/2XP40L-VP	51402018	47
1/2XP40R-VP	51402020	47
1/2XP80L-VP	51402022	47
1/2XP80R-VP	51402024	47
1/4K-SS10	51402030	43
1/4K-SS12	51402031	43
1/4K-SS15	51402032	43
1/4K-SS18	51402033	43
1/4K-SS2	51402034	43
1/4K-SS2.5	51402035	43
1/4K-SS20	51402036	43
1/4K-SS22	51402037	43
1/4K-SS24	51402038	43
1/4K-SS27	51402039	43
1/4K-SS3	51402040	43
1/4K-SS5	51402042	43
1/4K-SS7.5	51402043	43
1/4KLC-SS18	51402026	49
1/4KLC-SS36	51402027	49
1/4KLC-SS5	51402028	49
1/4KLC-SS9	51402029	49
1/4TTJ02-VS	51402044	44
1/4TTJ04-VS	51402045	44
1/4TTJ05-VS	51402046	44
1/4TTJ06-VP	51402047	44
1/4TTJ06-VS	51402048	44
1/4TTJ08-VP	51402049	44, 47
1/4TTJ08-VS	51402050	44, 47
1/4TTJ10-VP	51402051	44, 47
1/4TTJ10-VS	51402052	44, 47
1/4TTJ15-VP	51402053	44, 47
1/4TTJ15-VS	51402054	44, 47
1/4XP10L-VP	51402055	47
1/4XP10R-VP	51402056	47
1/4XP20L-VP	51402057	47
1/4XP20R-VP	51402059	47
1/4XP25L-VP	51402061	47
1/4XP25R-VP	51402063	47
10742A	7.27847	85
12201-CE-1062TD	51402077	90
12201-CE-785TD	51402078	90
12202-CE-1062TD	51402079	90
12202-CE-785TD	51402080	90
12328-1/2-NYB	51402082	85
12328-3/4	51402083	85
12328-3/4-NYB	51402084	85
18635-111-406-NYB	51402088	73
18636-112-406-NYB	51402089	73
18637-113-406-NYB	51402090	73
18638-111-540-NYB	51402091	73
18639-112-540-NYB	51402092	73
18640-113-540-NYB	51402093	73
18719-111-785-NYB	51402100	73
18720-112-785-NYB	51402101	73
18721-113-785-NYB	51402102	73
19349-211-406-NYB	51402107	73
19349-211-540-NYB	51402108	73
19349-211-785-NYB	51402109	73
19350-212-406-NYB	51402110	73
19350-212-540-NYB	51402111	73
19350-212-785-NYB	51402112	73
19351-213-406-NYB	51402113	73
19351-213-540-NYB	51402114	73
19351-213-785-NYB	51402115	73
19843-NYR	51402116	83
19845-25-PP	51402117	105
19845-50-PP	51402118	105
21353-6-15-NYB	51402125	89
21353-6-24-NYB	51402126	89
21354-15-NYB	51402127	89
21354-24-NYB	51402128	89
21398H-1-CELR	51402130	83
21398H-10-CELR	51402129	83
21398H-2-CELR	51402131	83
21398H-3-CELR	51402132	83
21398H-4-CELR	51402133	83
21398H-5-CELR	51402134	83
21398H-6-CELR	51402135	83
21398H-7-CELR	51402136	83
21398H-8-CELR	51402137	83
21950-10-NYB	51402139	86
21950-15-NY	51402140	86
21950-2-NYB	51402142	86
21950-20-NYB	51402141	86
21950-5-NYB	51402143	86
21950-8-NYB	51402144	86
22251-311-375-NYB	51402147	73
22251-311-500-NYB	51402150	73
22251-311-750-NYB	51402152	73
22252-312-375-NYB	51402155	73
22252-312-500-NYB	51402157	73
22252-312-750-NYB	51402159	73
22650-PP-1/4	51402173	117
22650-PP-300	51402174	117
22650-PP-406	51402175	117
22669-1/4-PPB	51402087	91
22670-PP-15-1/4	51402179	117
22670-PP-15-300	51402180	117
22670-PP-15-406	51402181	117
22670-PP-24-1/4	51402182	117
22670-PP-24-300	51402183	117
22670-PP-24-406	51402184	117
22674-1/4-NYB	51402185	84
23120-1/2-PP	51402186	103
23120-1/2-PP-60	51402187	103
23120-1/2-PP-60-VI	51402188	103
23120-3/4-PP	51402189	103
23120-3/4-PP-60	51402190	103
23120-3/4-PP-60-VI	51402191	103
23120A-1/2-PP	51402192	103
23120A-3/4-PP	51402193	103
23306H-1-CELR	51402195	83
23306H-10-CELR	51402194	83
23306H-2-CELR	51402196	83
23306H-3-CELR	51402197	83
23306H-4-CELR	51402198	83
23306H-5-CELR	51402199	83
23306H-6-CELR	51402200	83
23306H-7-CELR	51402201	83
23306H-8-CELR	51402202	83
23770-SS	51402146	86
24216A-1-NYB	51402220	76
24216A-1/2-NYB	51402218	76
24216A-1/2M-NYB	51402217	76
24216A-1/2X7-NYB	51402219	76
24216A-20MM-NYB	51402221	76
24216A-20MMX7-NYB	51402222	76
24216A-3/4-NYB	51402223	76
24230A-1-540-NYB	51402226	74
24230A-1-785NYB	51402227	74
24230A-2-540-NYB	51402229	74
24230A-2-785-NYB	51402230	74
24230A-3-540-NYB	51402231	74
24230A-3-785-NYB	51402232	74
25596-1-NYR	51402235	82
25596-2-NYR	51402236	82
25596-3-NYR	51402237	82
25596-4-NYR	51402238	82
25596-5-NYR	51402239	82
25596-6-NYR	51402240	82
25596-7-NYR	51402241	82
25596-8-NYR	51402242	82
25598-1-NYR	51402244	82
25598-10-NYR	51402243	82
25598-2-NYR	51402245	82
25598-3-NYR	51402246	82
25598-4-NYR	51402247	82
25598-5-NYR	51402248	82
25598-6-NYR	51402249	82
25598-7-NYR	51402250	82
25598-8-NYR	51402251	82
25600-1-NYR	51402252	82
25600-2-NYR	51402253	82
25600-3-NYR	51402254	82
25600-4-NYR	51402255	82
25600-5-NYR	51402256	82
25600-6-NYR	51402257	82
25600-7-NYR	51402258	82
25600-8-NYR	51402259	82
25608-1-NYR	51402260	82
25608-2-NYR	51402261	82
25608-3-NYR	51402262	82
25608-4-NYR	51402263	82
25608-5-NYR	51402264	82
25608-6-NYR	51402265	82
25608-7-NYR	51402266	82
25608-8-NYR	51402267	82
25608-9-PP	51402268	82
25610-1-NYR	51402269	82
25610-2-NYR	51402270	82
25610-3-NYR	51402271	82
25610-4-NYR	51402272	82
25610-5-NYR	51402273	82
25610-6-NYR	51402274	82
25610-7-NYR	51402275	82
25610-8-NYR	51402276	82
25612-1-NYR	51402278	82
25612-10-NYR	51402277	82
25612-2-NYR	51402279	82
25612-3-NYR	51402280	82
25612-4-NYR	51402281	82
25612-5-NYR	51402282	82
25612-6-NYR	51402283	82
25612-7-NYR	51402284	82
25612-8-NYR	51402285	82
25660-1.5	51402288	114
25660-3.0	51402289	114
25660-4.0	51402290	114
25888-1-NYB	51402292	90
25888-1/2-NYB	51402291	90
25888-3/4-NYB	51402293	90
3/4K-SS100	51402297	43
3/4K-SS110	51402298	43
3/4K-SS120	51402299	43
3/4K-SS140	51402300	43
3/4K-SS160	51402301	43
3/4K-SS180	51402302	43
3/4K-SS210	51402303	43

TEEJET® REFERENCE GUIDE – SORTED BY TEEJET PART NO.

TEEJET PART NO.	CNH INDUSTRIAL PART NO.	PAGE
3/4K-SS90	51402305	43
3/8K-SS30	51402306	43
3/8K-SS35	51402307	43
3/8K-SS40	51402308	43
3/8K-SS45	51402309	43
38720-PPB-X12	51402511	118
38720-PPB-X18	51402512	118
38720-PPB-X26	51402513	118
38720-PPB-X8	51402514	118
4193A-10-100SS	51402515	106
4193A-10-200SS	51402516	106
4193A-10-24SS	51402517	106
4193A-10-50SS	51402518	106
4193A-10-80SS	51402519	106
4193A-20-100SS	51402520	106
4193A-20-50SS	51402521	106
4193A-40-100SS	51402522	106
4193A-40-24SS	51402523	106
4193A-40-50SS	51402524	106
4193A-5-100SS	51402525	106
4193A-5-200SS	51402526	106
4193A-5-24SS	51402527	106
4193A-5-50SS	51402528	106
4193A-5-80SS	51402529	106
4193A-PP-10-100SS	51402530	106
4193A-PP-10-200SS	51402531	106
4193A-PP-10-24SS	51402532	106
4193A-PP-10-50SS	51402533	106
4193A-PP-10-80SS	51402534	106
4193A-PP-10-SS-100SS	51402535	106
4193A-PP-10-SS-200SS	51402536	106
4193A-PP-2-24SS	51402541	106
4193A-PP-2-50SS	51402542	106
4193A-PP-20-100SS	51402537	106
4193A-PP-20-200SS	51402538	106
4193A-PP-20-24SS	51402539	106
4193A-PP-20-50SS	51402540	106
4193A-PP-40-100SS	51402543	106
4193A-PP-40-200SS	51402544	106
4193A-PP-40-24SS	51402545	106
4193A-PP-40-50SS	51402546	106
4193A-PP-5-100SS	51402547	106
4193A-PP-5-200SS	51402548	106
4193A-PP-5-24SS	51402549	106
4193A-PP-5-50SS	51402550	106
4193A-PP-5-80SS	51402551	106
4193A-PP-5-SS-100SS	51402552	106
4193A-PP-5-SS-200SS	51402553	106
4193A-PP-5-SS-24SS	51402554	106
4193A-PP-5-SS-50SS	51402555	106
4193A-SS-10-100SS	51402556	106
4193A-SS-10-50SS	51402557	106
4193A-SS-20-100SS	51402558	106
4193A-SS-40-50SS	51402559	106
4193A-SS-5-100SS	51402560	106
4193A-SS-5-200SS	51402561	106
4193A-SS-5-24SS	51402562	106
4193A-SS-5-50SS	51402563	106
4202-2-1/4T	51402149	89
4251-250	51402565	92
4251-250-SS	51402566	92
4251-312	51402567	92
4251-312-SS	51402568	92
4251-400	51402571	92
4251-400-SS	51402572	92
4251-437	51402573	92
4251-437-SS	51402574	92
4251-500	51402575	92
4251-500-SS	51402576	92
4514-10	51402665	105
4514-20	51402666	105
4514-32	51402667	105
4514-NY-10	51402669	105
4514-NY-20	51402670	105
4514-NY-32	51402671	105
45529-1	51402766	98
45529-1/2	51402767	98
45529-1M	51402579	98
45529-3/4	51402769	98
45529-5/8	51402770	98
45529-90-1	51402771	98
45529-90-1/2	51402580	98
45529-90-3/4	51402581	98
45529-C	51402774	98
45529-P	51402775	98
46024	51402008	97
46070	51402009	97
4629-3/4-TOC10	51402825	48
4629-3/4-TOC150	51402826	48
4629-3/4-TOC20	51402827	48
4629-3/4-TOC300	51402829	48
4629-3/4-TOC40	51402830	48
4629-3/4-TOC80	51402832	48
4664B	7.15197	85
4666B	7.27844	85
4676-1/2	51402017	92
4676-NYB-1/4	51402866	92
4676-NYB-1/8	51402867	92
4676-SS-1/2	51402868	92
4676-SS-1/4	51402869	92
4676-SS-1/8	51402870	92
4676-SS-3/4	51402871	92
4676-SS-3/8	51402872	92
5000-1/4T	51402772	89
50515-22CN05	51402906	94
50515-22CN15	51402907	94
50515-22CP03	51402909	94
50515-22CP05	51402912	94
50515-22CP15	51402925	94
50515-22CP60	51402929	94
50515-22DN	51402931	94
50515-22DP	51402932	94
50516-01C03	51402933	94
50516-01C05	51402934	94
50516-01C60	51402939	94
50516-01D	51402940	94
50516-03C03	51402941	94
50516-03C05	51402943	94
50516-03C15	51402951	94
50516-03C60	51402952	94
50516-03D	51402954	94
50516-06C03	51402956	94
50516-06C05	51402957	94
50516-06D	51402962	94
5053-100-SS	51402963	105
5053-200-SS	51402964	105
5053-24-SS	51402965	105
5053-50-SS	51402975	105
5053-80-SS	51402976	105
50533-22C03	51402966	94
50533-22C05	51402967	94
50533-22C15	51402972	94
50533-22C60	51402973	94
50533-22D	51402974	94
50800-15-PP-300	51402977	116
50800-15-PP-300-X26	51402978	116
50800-15-PP-406	51402979	116
50800-15-PP-406-X26	51402980	116
50800-21-AL-300	51402982	116
50800-21-AL-300-X26	51402983	116
50800-21-AL-406	51402984	116
50800-21-AL-406-X26	51402985	116
50800-PP-300	51402987	116
50800-PP-406	51402988	116
50854-NYB	51402989	84
50994-22CP05	51402991	94
50994-22CP15	51402992	94
50994-22CP60	51402993	94
50994-22DP	51402994	94
50996-01C03	51402995	94
50996-01C05	51402996	94
50996-01C60	51402999	94
50996-01D	51403000	94
50996-03C03	51403001	94
50996-03C05	51403002	94
50996-03C60	51403004	94
50996-03D	51403005	94
50996-06C03	51403006	94
50996-06C05	51403007	94
50996-06C60	51403009	94
5430-3/4-2TOC06	51403010	48
5430-3/4-2TOC10	51403011	48
5430-3/4-2TOC20	51403012	48
5430-3/4-2TOC40	51403014	48
5500-PPB-X12	51403016	118
5500-PPB-X18	51403019	118
5500-PPB-X22	51403021	118
5500-PPB-X3	51403023	118
5500-PPB-X5	51403025	118
5500-PPB-X6	51403027	118
5500-PPB-X8	51403029	118
5500-X1	51403032	118
5500-X10	51403033	118
5500-X12	51403034	118
5500-X14	51403035	118
5500-X18	51403036	118
5500-X2	51403037	118
5500-X22	51403038	118
5500-X26	51403039	118
5500-X3	51403040	118
5500-X4	51403041	118
5500-X5	51403042	118
5500-X6	51403043	118
5500-X8	51403044	118
55215-100-EPR	51403045	105
55215-100-VI	51403046	105
55215-50-EPR	51403047	105
55215-50-VI	51403048	105
55240-CELR	51403055	84
55245-50	51403056	97
55245-75	51403057	97
55270-1/2-11-POM	51403058	69
55270-3/4-18-POM	51403059	69
55295-1-12	47726635	87
56714-NYB	51403136	86
58140-NYB	51403139	87
58348H-1-CELR	51403141	83
58348H-10-CELR	51403140	83

TEEJET REFERENCE GUIDE – SORTED BY TEEJET PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY TEEJET PART NO.

TEEJET REFERENCE GUIDE – SORTED BY TEEJET PART NO.

TEEJET® REFERENCE GUIDE – SORTED BY TEEJET PART NO.

TEEJET REFERENCE GUIDE – SORTED BY TEEJET PART NO.

TEEJET PART NO.	CNH INDUSTRIAL PART NO.	PAGE
QJ8600-2-1/4-NYB	51405783	89
QJ90-1-NYR	51405784	84
QJ90-2-NYR	51405785	84
QJ90-2XTT11001-VP	51405787	39
QJ90-2XTT110015-VP	51405786	39
QJ90-2XTT11002-VP	51405789	39
QJ90-2XTT110025-VP	51405788	39
QJ90-2XTT11003-VP	51405790	39
QJ90-2XTT11004-VP	51405791	39
QJ90-2XTT11005-VP	51405792	39
QJ90-2XTT11006-VP	51405793	39
QJ90-2XTT11008-VP	51405794	39
QJ98586-3/8	51405800	81
QJ98588-1/4	51405801	81
QJ98590-3/8-10	51405802	81
QJ98590-3/8-2	51405803	81
QJ98592-1/4-10	51405804	81
QJ98592-1/4-2	51405805	81
QJ98594-3/8-10	51405806	81
QJ98594-3/8-2	51405807	81
QJ98595-1/4-10	51405808	81
QJ98595-1/4-2	51405809	81
QJT-NYB	51405813	84
QJT8360-NYB	51405811	84
SJ3-015-VP	51405814	64
SJ3-02-VP	51405815	64
SJ3-03-VP	51405816	64
SJ3-04-VP	51405817	64
SJ3-05-VP	51405818	64
SJ3-06-VP	51405819	64
SJ3-08-VP	51405820	64
SJ3-10-VP	51405821	64
SJ3-15-VP	51405822	64
SJ3-20-VP	51405823	64
SJ7-015-VP	51405824	65
SJ7-02-VP	51405825	65
SJ7-03-VP	51405826	65
SJ7-04-VP	51405827	65
SJ7-05-VP	51405828	65
SJ7-06-VP	51405829	65
SJ7-08-VP	51405830	65
SJ7-10-VP	51405831	65
SJ7-15-VP	51405832	65
TF-VP10	51405833	41
TF-VP2	51405834	41
TF-VP2.5	51405835	41
TF-VP3	51405836	41
TF-VP4	51405837	41
TF-VP5	51405838	41
TF-VP7.5	51405839	41
TF-VS10	51405840	41
TF-VS2	51405841	41
TF-VS2.5	51405842	41
TF-VS3	51405843	41
TF-VS4	51405844	41
TF-VS5	51405845	41
TF-VS7.5	51405846	41
TJ60-4002EVS	51405856	54
TJ60-4003EVS	51405858	54
TJ60-4004EVS	51405859	54
TJ60-8002EVS	51405868	54
TJ60-8003EVS	51405870	54
TJ60-8004EVS	51405872	54
TJ60-8006EVS	51405875	54
TK-SS.50	51405899	43
TK-SS.75	51405900	43

TEEJET PART NO.	CNH INDUSTRIAL PART NO.	PAGE
TK-SS1	51405901	43
TK-SS1.5	51405902	43
TK-SS10	51405903	43
TK-SS15	51405904	43
TK-SS2	51405906	43
TK-SS2.5	51405907	43
TK-SS20	51405908	43
TK-SS3	51405910	43
TK-SS30	51405911	43
TK-SS4	51405912	43
TK-SS5	51405914	43
TK-VP1	51405919	43
TK-VP1.5	51405920	43
TK-VP10	51405921	43
TK-VP2	51405922	43
TK-VP2.5	51405923	43
TK-VP3	51405924	43
TK-VP4	51405925	43
TK-VP5	51405926	43
TK-VP7.5	51405927	43
TK-VS10	51405928	43
TK-VS2	51405929	43
TK-VS2.5	51405930	43
TK-VS3	51405931	43
TK-VS4	51405932	43
TK-VS5	51405933	43
TK-VS7.5	51405934	43
TP0001-SS	51405937	68
TP00015-SS	51405936	68
TP0002-SS	51405938	68
TP0003-SS	51405939	68
TP0004-SS	51405940	68
TP0006-SS	51405942	68
TP0008-SS	51405943	68
TP0010-SS	51405944	68
TP0015-SS	51405946	68
TP0020-SS	51405947	68
TP0030-SS	51405948	68
TP0040-SS	51405949	68
TP11001-SS	51405954	35
TP110015-SS	51405950	35
TP110015VP	51405952	35
TP110015VS	51405953	35
TP11001VS	51405956	35
TP11002	51405957	35
TP11004	51405965	35
TP11005-SS	51405969	35
TP11005-VS	51405971	35
TP11005VP	51405970	35
TP11006-SS	51405972	35
TP11006-VS	51405974	35
TP11006VP	51405973	35
TP11008-SS	51405976	35
TP11008-VS	51405978	35
TP11008E-SS	51405975	53
TP11008VP	51405977	35
TP11010E-SS	51405979	53
TP11015E-SS	51405981	53
TP11020-SS	51405983	35
TP40015E-SS	51405984	53
TP4001E-SS	51405985	53
TP4002E-SS	51405986	53
TP4003E-SS	51405987	53
TP4004E-SS	51405988	53
TP4005E-SS	51405989	53
TP8001-SS	51405999	35

TEEJET PART NO.	CNH INDUSTRIAL PART NO.	PAGE
TP80015	51405991	35
TP80015E-SS	51405993	53
TP80015VK	51405994	61
TP80015VP	51405995	35
TP80015VS	51405996	35
TP8001E-SS	51405998	53
TP8001VK	51406000	61
TP8001VS	51406001	35
TP8002	51406002	35
TP8002VK	51406005	61
TP8003	51406008	35
TP8003E-SS	51406010	53
TP8004	51406014	35
TP8004E-SS	51406016	53
TP8004EVS	51406017	53
TP8005	51406021	35
TP8005E-SS	51406023	53
TP8005EVS	51406024	53
TP8006	51406028	35
TP8006E-SS	51406030	53
TP8006EVS	51406031	53
TP8008	51406035	35
TP8008E-SS	51406037	53
TP8008EVS	51406038	53
TP8010	51406042	35
TP8010E-SS	51406044	53
TP8015	51406046	35
TP8015E-SS	51406048	53
TP8020	51406050	35
TQ150-01-SS	51406064	45
TQ150-015-SS	51406063	45
TQ150-02-SS	51406065	45
TQ150-03-SS	51406066	45
TQ150-04-SS	51406067	45
TQ150-05-SS	51406068	45
TQ150-06-SS	51406069	45
TQ150-08-SS	51406070	45
TT11001-VP	51406072	28
TT110015-VP	51406071	28
TT11002-VP	51406074	28
TT110025-VP	51406073	28
TT11003-VP	51406075	28
TT11004-VP	51406076	28
TT11005-VP	51406077	28
TT11006-VP	51406078	28
TT11008-VP	51406079	28
TTI110015-VP	51406080	32
TTI11002-VP	51406084	32
TTI110025-VP	51406082	32
TTI11003-VP	51406086	32
TTI11004-VP	51406088	32
TTI11005-VP	51406090	32
TTI11006-VP	51406092	32
TTJ60-110025VP	51406094	37
TTJ60-11002VP	51406095	37
TTJ60-11003VP	51406096	37
TTJ60-11004VP	51406097	37
TTJ60-11005VP	51406098	37
TTJ60-11006VP	51406099	37
TX-VK10	51406114	50, 58
TX-VK12	51406115	50, 58
TX-VK18	51406116	50, 58
TX-VK26	51406117	50, 58
TX-VK3	51406118	50, 58
TX-VK4	51406119	50, 58
TX-VK6	51406120	50, 58

TEEJET® REFERENCE GUIDE – SORTED BY TEEJET PART NO.

WILGER REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

SORTED BY WILGER PART NO.

BANJO® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

CNH INDUSTRIAL PART NO.	BANJO PART NO.	PAGE
07.06696	M200150MPT	135
07.06969	VFMT200FP	133
07.06975	M200BRB90	140
07.06982	M100075BRB	135
07.07076	M220PLG	135
07.07077	M220150BRB90	140
07.0708	UB202	139
07.07082	M200PLG100	135
07.07342	EL300-90	145
07.07414	125E	142
07.07436	RB200-075	144
07.07438	SL038-90	145
07.07440	V125	132
07.07448	125B	142
07.07449	125F	142
07.07495	M200100BRB90	140
07.07496	M100MPT	135
07.07689	HB025SS	137
07.0769	HB025-038SS	137
07.07691	HB025-050SS	137
07.07692	HB038SS	137
07.07693	HB038-050SS	137
07.07694	HB050SS	137
07.07695	HB050-058SS	137
07.07696	HB050-075SS	137
07.07697	HB075SS	137
07.07698	HB075-100SS	137
07.07699	HB100SS	137
07.077	HB125SS	137
07.07701	HB150SS	137
07.07702	HB200SS	137
07.07703	HB300SS	137
07.07792	300B	143
07.07974	M100050FPT	135
07.07975	M200FPT	135
07.07976	M100075FPT	135
07.07977	M100075MPT	135
07.07978	M220A	135
07.0798	M100MPTSS	135
07.07981	M200125MPTSS	135
07.07982	M200150MPTSS	135
07.07983	M200MPTSS	135
07.07984	M220MPTSS	135
07.07985	M220150MPTSS	135
07.07986	M300200CPG	139
07.07987	M300220BRB90	140
07.0799	M200PLG050	135
07.07991	M101TEE	139
07.07992	M100125BRB	135
07.07995	M100CPG45	139
07.07997	M100GV	140
07.07998	150GV	140, 143
07.07999	UB100	139
07.08052	HBT050-038	138
07.08053	HBT050-075	138
07.08185	CAP050	136
07.08188	CAP125	136
07.08189	CAP150	136
07.08191	CAP300	136
07.08213	125C	142
07.09151	V10153A	132
07.09178	V400	133
07.09642	CPLG300	144
07.09811	V40200	133
07.10255	RB150-125	144
07.10258	RB200-150	144
07.10265	RC200-125	144
07.10276	RB150-100	144
07.10293	HB125/100-90	137
07.10298	EL200-90	145
07.10317	NIP150-SH	144
07.10321	NIP200-SH	144
07.10328	HB100-075	137
07.10332	HB125	137
07.10336	HB050-075	137
07.10337	HB050-038	137
07.1034	HB025	137
07.10341	HB025-038	137
07.10345	CR125	136
07.10349	CR150	136
07.10356	SL125-45	145
07.10357	HB075-058	137
07.10358	SL150-45	145
07.10369	CR075	136
07.10376	SL150-90	145
07.10377	SL050-90	145
07.10379	RC100-075	144
07.1038	RN050-038	144
07.10389	RC150-125	144
07.1039	TEE200	136
07.10392	RC200-100	144
07.10393	RN100-050	144
07.10397	RN100-075	144
07.10398	RN125-075	144
07.104	RN150-100	144
07.10406	NIP150-4	144
07.10421	HB150/125-90	137
07.10422	TEE038	136
07.10423	SL075-45	145
07.10424	SL100-45	145
07.11458	400G	143
07.11607	RB075-025	144
07.11702	200GV	140, 143
07.11704	300GV	140, 143
07.123	100G	143
07.12304	75G	143
07.12311	V20153	132
07.12312	V25153	133
07.12316	75A3/4	142
07.12317	75B3/4	142
07.12318	075C	142
07.12319	075CAP	142
07.1232	075D	142
07.12321	075E	142
07.12323	75PL	142
07.12324	100A	142
07.12325	100B	142
07.12326	100C	142
07.12328	100D	142
07.12332	150125A	142
07.12333	150125B	142
07.12334	150125C	142
07.12335	150125D	142
07.12336	150125E	142
07.12337	150125F	142
07.12338	150A	142
07.1234	150C	142
07.12342	150D	142
07.12343	150E	142
07.12345	150PL	142
07.12347	200B	142
07.1235	200D	142
07.12351	200E	142
07.12358	300C	143
07.12362	300D	143
07.12370	V07200	132
07.12372	V20200	132
07.12373	V25200	133
07.124	300A	143
07.13034	HB100-125	137
07.1325	050D	142
07.13251	75B1/2	142
07.13343	RB038-025	144
07.13366	EL050-90	145
07.13371	SL100-90	145
07.13374	V125FP	132
07.13376	75A1/2	142
07.13377	050C	142
07.13378	050E	142
07.13379	050F	142
07.13498	UV200FP	133
07.15301	NIP300-SH	144
07.15304	HB300-90	137
07.15305	TEE300	136
07.15502	TM075/050	138
07.15695	VL25153	133
07.16412	NIP038-SH	144
07.16422	RB075-038	144
07.17212	CPLG050	144
07.17213	CPLG075	144
07.17311	CPLG125	144
07.17402	RB100-050	144
07.26772	CR050	136
07.26773	EL038-90	145
07.26775	HB025/038-90	137
07.26776	HB025/050-90	137
07.26777	HB025-050	137
07.26778	HB200/150-90	137
07.26779	HM050	138
07.2678	HM075	138
07.26782	HM125	138
07.26784	HM200	138
07.26786	NIP050-3	144
07.26787	NIP075-6	144
07.26788	NIP100-6	144
07.2679	NIP150-3	144
07.26791	NIP150-5	144
07.26901	V20153138	132
07.26986	400PL	143
07.27082	M100BRB45	140
07.2711	M300FPT	135
07.27111	M300BSP	135
07.27113	M300CPG7	134, 139
07.27192	M220125BRB	135
07.27534	M100A	135
07.28356	M220FPT	135
07.28357	M221G	134, 140
07.28358	MHV220A	134
07.28362	MVS220CF	134
07.28377	HBT100-100	138
07.28428	M101G	140
21.20148	NIP300-6	144
21.20996	M200PLG	135
21.21000	M200CR	140
21.21003	M220200CPG	139
21.21074	M300TEE	139
21.21081	M100CPG90	139
21.21082	M100FPT	135
21.21315	HBF100	137
21.21571	M220CR	140
21.21628	M300MPTSS	135
21.21631	M220150BRB	135
21.30553	M220100TEE	139
21.42544	M220Y45	139
32.00753	SL300-45	145
32.00804	400CAP	143
32.00806	400A	143
32.00933	RB400-300	144
32.01244	HB150-100	137
32.01465	75A1/4/SA	142

BANJO® REFERENCE GUIDE – SORTED BY CNH INDUSTRIAL PART NO.

BANJO® REFERENCE GUIDE – SORTED BY BANJO PART NO.

BANJO PART NO.	CNH INDUSTRIAL PART NO.	PAGE
050C	07.13377	142
050D	07.1325	142
050E	07.13378	142
050F	07.13379	142
075C	07.12318	142
075CAP	07.12319	142
075D	07.1232	142
075E	07.12321	142
075F	86988602	142
100125CAP	BN2293318	142
100125PL	48054996	142
100A	07.12324	142
100B	07.12325	142
100C	07.12326	142
100D	07.12328	142
100E	87578618	142
100F	8606	142
100G	07.123	143
125A	46.08317	142
125B	07.07448	142
125C	07.08213	142
125E	07.07414	142
125F	07.07449	142
150125A	07.12332	142
150125B	07.12333	142
150125C	07.12334	142
150125D	07.12335	142
150125E	07.12336	142
150125F	07.12337	142
150A	07.12338	142
150B	413085A1	142
150C	07.1234	142
150CAP	BN22226	142
150D	07.12342	142
150E	07.12343	142
150F	86988594	142
150G	BN303204	140, 143
150GV	07.07998	140, 143
150PL	07.12345	142
200A	BN304330	142
200B	07.12347	142
200C	6089	142
200CAP	BN22901	142
200CAPSH	405799A1	142
200D	07.1235	142
200E	07.12351	142
200F	34416002	142
200G	BN313772	140, 143
200GV	07.11702	140, 143
200PL	BN22900	142
300A	07.124	143
300B	07.07792	143
300C	07.12358	143
300CAP	87609772	143
300D	07.12362	143
300E	47514097	143
300F	84380173	143
300G	BN321073	140, 143
300GV	07.11704	140, 143
300PL	47689103	143
400A	32.00806	143
400CAP	32.00804	143
400F	87656021	143
400G	07.11458	143
400PL	07.26986	143
75A1/2	07.13376	142
75A1/4/SA	32.01465	142
75A3/4	07.12316	142
75B1/2	07.13251	142
75B3/4	07.12317	142
75G	07.12304	143
75PL	07.12323	142
CAP050	07.08185	136
CAP075	47733334	136
CAP100	87577690	136
CAP125	07.08188	136
CAP150	07.08189	136
CAP200	BN2293320	136
CAP300	07.08191	136
CPLG038	343552A1	144
CPLG050	07.17212	144
CPLG075	07.17213	144
CPLG100	87558397	144
CPLG125	07.17311	144
CPLG150	87502115	144
CPLG200	84283600	144
CPLG300	07.09642	144
CR050	07.26772	136
CR075	07.10369	136
CR100	BN53663	136
CR125	07.10345	136
CR150	07.10349	136
CR200	BN73791	136
EL038-90	07.26773	145
EL050-90	07.13366	145
EL075-90	87580531	145
EL100-45	BN307203	145
EL100-90	6758	145
EL125-90	BN313202	145
EL150-90	BN73713	145
EL200-90	07.10298	145
EL300-90	07.07342	145
FC100	406041A1	140
FC200	400502A1	140
FC220	BN313773	134, 140
FC300	BN321074	134, 140
HB-075	34306063	137
HB-100	34308001	137
HB-100/125-90	BN67315	137
HB-200	34316003	137
HB025	07.1034	137
HB025-038	07.10341	137
HB025-038SS	07.0769	137
HB025-050	07.26777	137
HB025-050SS	07.07691	137
HB025-90	BN73412	137
HB025/038-90	07.26775	137
HB025/050-90	07.26776	137
HB025SS	07.07689	137
HB038	426778A1	137
HB038-050	BN323125	137
HB038-050SS	07.07693	137
HB038-90	426777A1	137
HB038SS	07.07692	137
HB050	426779A1	137
HB050-038	07.10337	137
HB050-058SS	07.07695	137
HB050-075	07.10336	137
HB050-075SS	07.07696	137
HB050-90	87414643	137
HB050/038-90	84346916	137
HB050/075-90	426780A1	137
HB050SS	07.07694	137
HB075-038	343436A1	137
HB075-050	BN73568	137
HB075-058	07.10357	137
HB075-100	6759	137
HB075-100SS	07.07698	137
HB075-90	47795756	137
HB075/050-90	BN73578	137
HB075/100-90	BN73575	137
HB075SS	07.07697	137
HB100-075	07.10328	137
HB100-125	07.13034	137
HB100/075-90	BN73684	137
HB10090	84325034	137
HB100SS	07.07699	137
HB125	07.10332	137
HB125-075	BN319562	137
HB125-100	BN73657	137
HB125-150	BN2294412	137
HB125-90	BN73663	137
HB125/100-90	07.10293	137
HB125/150-90	87265957	137
HB125SS	07.077	137
HB150	413083A1	137
HB150-100	32.01244	137
HB150-125	HB150-125	137
HB150-200	BN313927	137
HB150/125-90	07.10421	137
HB15090	87419378	137
HB150SS	07.07701	137
HB200-150	BN305163	137
HB200-90	401875A1	137
HB200/150-90	07.26778	137
HB200SS	07.07702	137
HB300	BN85678	137
HB300-90	07.15304	137
HB300SS	07.07703	137
HBEL100-90	342684A1	145
HBEL15010090POL	BN2390521	145
HBF075	47733137	137
HBF100	21.21315	137
HBT 075-050	34306051	138
HBT050-038	07.08052	138
HBT050-075	07.08053	138
HBT075	87669667	138
HBT075-100	87664074	138
HBT100	47767363	138
HBT100-100	07.28377	138
HBT150-100	BN324828	138
HM050	07.26779	138
HM075	07.2678	138
HM100	84174975	138
HM125	07.26782	138
HM150	412686A1	138
HM200	07.26784	138
M100050FPT	07.07974	135
M100075BRB	07.06982	135
M100075BRB90	405785A1	140
M100075FPT	07.07976	135
M100075MPT	07.07977	135
M100100HBT	47841653	140
M100125BRB	07.07992	135
M100125BRB90	87575511	140
M100125MPT	406146A1	135
M100150BRB90	47917420	140
M100A	07.27534	135
M100BRB	87503157	135
M100BRB45	07.27082	140
M100BRB90	435587A1	140
M100CPG	BN306905	139
M100CPG45	07.07995	139
M100CPG90	21.21081	139
M100CR	BN313029	140
M100FPT	21.21082	135
M100G	408350A1	140
M100GV	07.07997	140
M100MPT	07.07496	135
M100MPTSS	07.0798	135

BANJO® REFERENCE GUIDE – SORTED BY BANJO PART NO.

BANJO PART NO.	CNH INDUSTRIAL PART NO.	PAGE
M100PLG	87502116	135
M100PLG025	405793A1	135
M100PLG050	47898148	135
M100TEE	405787A1	139
M101G	07.28428	140
M101TEE	07.07991	139
M200100BRB	86987616	135
M200100BRB90	07.07495	140
M200100CPG	408349A1	139
M200100TEE	86984089	139
M200125BRB	86990856	135
M200125BRB90	405783A1	140
M200125MPT	BN306902	135
M200125MPTSS	07.07981	135
M200150BRB	434039A1	135
M200150BRB45	47690895	140
M200150BRB90	BN304321	140
M200150MPT	07.06696	135
M200150MPTSS	07.07982	135
M200A	46.02086	135
M200BRB	405780A1	135
M200BRB45	47767334	140
M200BRB90	07.06975	140
M200CPG	442255A1	139
M200CPG45	86984086	139
M200CPG90	BN304318	139
M200CPG90SH	405782A1	139
M200CR	21.21000	140
M200FPT	07.07975	135
M200MPT	BN303185	135
M200MPTSS	07.07983	135
M200PLG	21.20996	135
M200PLG025	87670356	135
M200PLG050	07.0799	135
M200PLG075	344407A1	135
M200PLG100	07.07082	135
M200TEE	405779A1	139
M220100BRB	47917418	135
M220100CPG	47899179	139
M220100TEE	21.30553	139
M220125BRB	07.27192	135
M220150BRB	21.21631	135
M220150BRB90	07.07077	140
M220150MPTSS	07.07985	135
M220200CPG	21.21003	139
M220200HBT	47888649	140
M220200TEE	47930545	139
M220A	07.07978	135
M220BRB	BN318600	135
M220BRB45	47421490	140
M220BRB90	BN324065	140
M220CPG	BN325292	139
M220CPG45	87267540	134, 139
M220CPG6	47777617	134, 139
M220CPG90	BN316710	139
M220CR	21.21571	140
M220FPT	07.28356	135
M220MPT	BN314241	135
M220MPTSS	07.07984	135
M220PLG	07.07076	135
M220TEE	BN322550	139
M220Y45	21.42544	139
M220Y45	47448277	134
M221G	07.28357	134, 140
M300200CPG	07.07986	139
M300220BRB	BN321080	135
M300220BRB90	07.07987	140
M300220CPG	BN321072	134, 139
M300A	343025A1	135
M300BRB	BN321075	135
M300BRB45	84283082	140
M300BRB90	BN321082	140
M300BSP	07.27111	135
M300CPG	BN324192	139
M300CPG45	87266599	134, 139
M300CPG7	07.27113	134, 139
M300CPG90	BN321077	139
M300CR	BN321076	140
M300FPT	07.2711	135
M300MPT	BN321078	135
M300MPTSS	21.21628	135
M300PLG	BN321079	135
M300PLG100	47479760	135
M300TEE	21.21074	139
M300Y45	35.0208	134, 139
MHV220A	07.28358	134
MVS220CF	07.28362	134
NIP025-SH	87504874	144
NIP038-SH	07.16412	144
NIP050-3	07.26786	144
NIP050-SH	BN73513	144
NIP075-4	BN73576	144
NIP075-6	07.26787	144
NIP075SH	405788A1	144
NIP100-4	BN320169	144
NIP100-6	07.26788	144
NIP100SH	87608458	144
NIP125-4	BN323762	144
NIP125-6	BN321466	144
NIP125-SH	BN73659	144
NIP150-3	07.2679	144
NIP150-4	07.10406	144
NIP150-5	07.26791	144
NIP150-6	BN73722	144
NIP150-SH	07.10317	144
NIP200-4	87533683	144
NIP200-6	BN73790	144
NIP200-SH	07.10321	144
NIP300-4	84380406	144
NIP300-6	21.20148	144
NIP300-SH	07.15301	144
PLUG050	BN73502	136
PLUG075	BN73553	134, 136
PLUG100	BN73604	136
PLUG125	BN73655	136
PLUG150	BN73731	136
PLUG200	BN73794	136
PLUG300	BN2297642	136
RB038-025	07.13343	144
RB050-025	BN304521	144
RB075-018	87385590	144
RB075-025	07.11607	144
RB075-038	07.16422	144
RB075-05	BN73552	144
RB100-025	8610	144
RB100-050	07.17402	144
RB100-075	BN53665	144
RB125-075	BN73653	144
RB125-100	7294	144
RB150-075	BN73716	144
RB150-100	07.10276	144
RB150-125	07.10255	144
RB200-075	07.07436	144
RB200-100	BN307007	144
RB200-125	BN73755	144
RB200-150	07.10258	144
RB300-150	46.02089	144
RB300-200	84380658	144
RB400-300	32.00933	144
RC100-075	07.10379	144
RC150-100	BN73737	144
RC150-125	07.10389	144
RC200-100	07.10392	144
RC200-125	07.10265	144
RN050-038	07.1038	144
RN075050	406147A1	144
RN100-050	07.10393	144
RN100-075	07.10397	144
RN125-075	07.10398	144
RN125-100	BN73656	144
RN150-100	07.104	144
RN150-125	BN73727	144
RN200-125	BN317158	144
RN200-150	BN73780	144
RN300-200	BN86472	144
SL025-90	47766691	145
SL038-90	07.07438	145
SL050-90	07.10377	145
SL075-45	07.10423	145
SL075-90	BN73566	145
SL100-45	07.10424	145
SL100-90	07.13371	145
SL125-45	07.10356	145
SL125-90	BN324890	145
SL150-45	07.10358	145
SL150-90	07.10376	145
SL200-45	BN73793	145
SL200-90	BN73785	145
SL300-45	32.00753	145
SL30090	87609773	145
SW100	46.0812	138
TEE 075	321991A1	136
TEE-050	34304002	136
TEE-100	34308005	136
TEE038	07.10422	136
TEE125	BN73662	136
TEE150	84325029	136
TEE200	07.1039	136
TEE300	07.15305	136
TEG100	46.02093	136
TM075/050	07.15502	138
UB100	07.07999	139
UB202	07.0708	139
UV200FP	07.13498	133
V07200	07.12370	132
V075	413088A1	132
V100	BN2395215	132
V100FP	BN73605	132
V10153A	07.09151	132
V125	07.07440	132
V125FP	07.13374	132
V150	BN73711	132
V200	BN317387	132
V200FP	BN73776	144
V20153	07.12311	132
V20153138	07.26901	132
V20200	07.12372	132
V20207	BN322573	143
V25153	07.12312	133
V25153138	44.21462	132
V25200	07.12373	133
V25271	87419379	132, 133
V300	BN303208	133
V300FP	84380156	133
V400	07.09178	133
V40200	07.09811	133
VFMT200FP	07.06969	133
VL25153	07.15695	133

REFERENCE GUIDE – PRECISION SPRAYING SYSTEMS

Sold and Serviced By:

FOR THE LATEST PRODUCT INFORMATION, STOP BY YOUR LOCAL CASE IH DEALER OR VISIT: WWW.PARTSTORE.CASEIH.COM

CNH INDUSTRIAL GENUINE PARTS

CASE IH AGRICULTURE

PM-18010 Issued 03/2018 Replaces: PM-15975