

TABLE OF CONTENTS

Page Description & Color Coded Tabs	Page #	Page Description & Color Coded Tabs	Page #
Spreader - Litter, Shavings, Compost	3	Trailer Parts, Various	49
Spreader - Litter, Shavings, Compost Pull Type	4	Tie Downs for Spreader	50
Spreader - Orchard, Vineyard	5	Telone Spray Parts	51
Spreader - Tandem Axle, Spreadit Series	6	Tanks	52-59, 61
Spreader - NC Series, Fertilizer Only	7-8	Rainwater Harvesting	60
Spreader - Row Crop Pull Type	9-10	Cam Couplers	62
Spreader - Chassis Mount	11-12	Valves, Norwesco	63
Spreader - Custom	13	Strainers	64-65
Sprayer - Liquid Pull Type	14-15	Fittings, Poly	66-70
Sprayer - Nurse Trailer	16	Hose, Tubing	71
Sprayer - 3 Point Hitch	17	Hose Reels, Clamps	72
Sprayer - Grove, Orchard, Vineyard	18	Guidance TeeJet	73-75
Sprayer - Liquid Chassis Mount	19	Controller - TeeJet ARC, TASC	76-78
Sprayer - Skid Sprayer	20	Controller for Sprayers	79
Sprayer - Custom Liquid Units	21	Valves, Controller	80-82
Dry Spreader Rear Parts	22	Fittings, Flange	83-84
Roller Parts, Model 47,49,54,57	23	Guidance Raven	85
Spinner Dishes Models 30,31,41,47,49,54,57	24	Controller - Raven	86-87
Quad Box Assembly	25	Spray Tips - How to Choose	88-93
Spinner Speed Monitor	25	Spray Tips - Quick Caps	94
Spinner Hub	25	Spray Tips - TeeJet	95-103
Spinner Motor, Standard	26	Spray Tips - Hypro	104
Spinner Motor, Short Shaft	27-28	Spray Tips - Boom Buster	105
Sprocket, Model 41,47,49,57	29	Spray Tips - Air Blast	106
Conveyor Parts, 16" & 24"	30	Spray Tip - Orifices	107-112
Conveyor, Belt Over Chain, 24"	31	Nozzle Bodies & Parts	113-118
Conveyor w/ Controller, Model 54	32	Spray Hose Drops	114
Conveyor, Split Chain	33	Spray Guns	119-121
Conveyor, Litter Spreader	34	Pressure Gauges	122
Hydraulic Series Parts	35	Pumps - Roller, Hypro	123-127
Hydraulic Pumps, Hose, Fittings	36	Pumps - Centrifugal, Gear Driven, Hypro	128-129
Oil Tank	37	Pumps - Centrifugal, Pedestal, Hypro	130
Electric Drive Wheel Control, Model 54	37	Pumps - Pressure Washer, Hypro	130
NC Series Rear Parts	38	Pumps - Centrifugal, Hydraulic, Hypro	131-133
NC Series Jack Shaft Parts	38	Pumps - Belt Driven, Hypro	134
NC Series Conveyor Parts	39	Pumps - Diaphragm, Hypro	134
NC Commonly Ordered Parts	39	Pumps - Piston, Hypro	135
NC Series Drive Shaft Parts	40	Pumps - Demand, Shurflo	136
NC Series PTO Parts	40	Pumps - Piston, John Blue	137-143
NC Series Drive Engager	41	Pumps - Flow Rate Monitor, John Blue	144
NC Series Trailer Parts	42	Pumps - Fertilizer Manifold, John Blue	144
Sprayer Boom Parts, Pump Mounting Bar	43	Pumps - Diaphragm, John Blue	145-146
Sprayer Agitation Parts	44	Pumps - Diaphragm, Comet	147-151
Sprayer Suction Fittings	44	Pumps - Diaphragm, Udor	152-156
Trailer - Spreadit Series	45	Pumps - Metering & Self Priming	157
Trailer - Row Crop Spreader, 10 Bolt Hubs	46	Foam Markers	158
Trailer - Nurse Tank, 6 Bolt Hubs	47	Strike Hold	159
Trailer Hub Assy, 8 Bolt	48	Conversion Tables	160-161

HOW TO PICK A TIP

SPRAY TIPS

How to Pick a Tip - Know the Following

1. Droplet size classification to manage coverage and/or drift control
2. Type of spray pattern
3. Desired pressure for drift control and/or canopy penetration
4. Product sprayed water or Liquid Nitrogen by weight (product density)
5. Application rate in gallon per minute or gallons per acre or gallons per 1000 sq ft

Record your constants:

$$\text{Total Application Rate GAL/MIN} = (A \times B) \times C \times D \times 0.00202$$

$$\text{Total Application Rate GAL/MIN} = (\text{Nozzle \#} \times \text{Spacing ft}) \times \text{Max Speed (mph)} \times \text{Application Rate (gal/acre)} \times 0.00202$$

- _____ A Number of Nozzles
- _____ B Nozzle Spacing in feet
- _____ C Speed of Application in MPH; Total Application Rate for Pump Flow
- _____ D Rate per Acre

$$\text{GAL/MIN Flow Rate per Spray Nozzle} = \frac{\text{Total Application Rate GAL/MIN}}{\text{Number of Nozzles}}$$

Spraying Liquids Other Than Water

Most tabulations for spray equipment in manufacturers' catalogs are based on spraying water (8.34 lb/gal USA) therefore conversions must be made when spraying solution that are heavier or lighter than water.

When ordering spray tip nozzles for non-water solution:

$$\text{Desired GPA in application process} \times \text{Water Conversion Rate} = \text{Converted GPA (use to order nozzles)}$$

Measuring Travel Speeds

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 insure accuracy, conduct the speed check with a partially loaded sprayer (about half full) and select the engine throttle setting and rate that will be used when spraying. Repeat the above process and average the time that were measured.

Use the following equation:

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

Other Useful Formulas

$$\text{GPA, Acre} = \frac{5,940 \times \text{GPM (per nozzle)}}{\text{MPH} \times W}$$

$$\text{GPM, Acre (per nozzle)} = \frac{\text{GPA} \times \text{MPH} \times W}{5,940}$$

$$\text{GAL/1000ft}^2 = \frac{136 \times \text{GPM (per nozzle)}}{\text{MPH} \times W}$$

$$\text{GPM, 1000ft}^2 \text{ (per nozzle)} = \frac{\text{GAL/1000ft}^2 \times \text{MPH} \times W}{136}$$

$$\text{GPM, Lane Mile} = \frac{(\text{Gal/Lane Mile}) \times \text{MPH} \times \text{Nozzle Spacing (in)}}{720 \times \text{lane width (ft)}}$$

Conversion for GPM

Weight of Solution	Specific Gravity	Weight Conversion Factor
7.0 lbs per gallon	0.84	0.92
8.0 lbs per gallon	0.96	0.98
8.34 lbs per gallon (WATER)	1.00	1.00
9.0 lbs per gallon	1.08	1.04
10.0 lbs per gallon	1.20	1.1
10.65 lbs per gallon (28% Nitrogen)	1.28	1.13
11.0 lbs per gallon	1.32	1.15
12.0 lbs per gallon	1.44	1.20
14.0 lbs per gallon	1.68	1.30

Travel Speed

MPH	Time Required in SECONDS to Travel a Distance of:		
	100 feet	200 feet	300 feet
0.5	136	273	409
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

GPM gallons per minute

GPA gallons per acre

GAL/1000ft² gallons per 1000 sq ft

PSI pounds per square inch

MPH miles per hour

W nozzle spacing in inches for broadcast spraying

or W spray width in inches for single nozzle, band spraying, or boomless

Nozzle Spacing 1 Nozzle = Spray Width



CHOOSING AN ORIFICE/TIP NOT IN STD CHART

How to Pick an Orifice or Tip that is NOT Found on Chart - Use the Following

Remember that most tip charts are based on 20" spacing and water. To use other spacings or other product, you must convert.

- You must know Actual Gallons per Acre you are trying to achieve - Actual Gallons per Acre is the setting for your CDS-John Blue pump
- Identify the product's actual weight per gallon and the corresponding conversion factor - See chart to the right.
 - Chart based on Water Conversion Factor is 1.00
 - Products other than Water - see chart to right
- Chart based on 20" as Standard Spacing
 - If you desire to find the representative GPA for a space further apart than the standard space in tip chart, you must divide space desired by space found in tip chart. Example: you want 36 spacing and the chart is based on 20" then (36/20 = 1.8)
 - If you desire to find the representative GPA for a space closer together than tip chart, you must divided space desired by space in tip chart. Example: you want 36" spacing and tip chart is based on 40" spacing then (36/40 = 0.90)

Conversion for Weight per Gallon

Weight of Solution	Specific Gravity	Weight Conversion Factor
7.0 lbs per gallon	0.84	0.92
8.0 lbs per gallon	0.96	0.98
8.34 lbs per gallon (WATER)	1.00	1.00
9.0 lbs per gallon	1.08	1.04
10.0 lbs per gallon	1.20	1.1
10.65 lbs per gallon (28% Nitrogen)	1.28	1.13
11.0 lbs per gallon	1.32	1.15
12.0 lbs per gallon	1.44	1.20
14.0 lbs per gallon	1.68	1.30

$$\text{GPA to look for (not actual)} = \text{Actual GPA Water} \times \text{Weight Conversion Factor} \times \text{Space Conversion}^*$$

$$\text{GPA to look for} = A \times B \times C$$

_____ A Actual Gallons per Acre that you are attempting to apply

_____ B Weight Conversion Factor from chart above

_____ C Desired Space other than found in Tip Chart

Examples of How to Pick an Orifice Formula when NOT in Standard Tip Chart - Use for Selection ONLY

$$\text{GPA} = \text{Actual Gals/Acre} \times \frac{\text{Conversion Factor that Represents Product Weight}}{\text{Weight}} \times \frac{\text{Actual Space Converting to}}{\text{Space found in Tip Catalog}}$$

Example - Convert for 36" when chart based on 20" spacing. You want (A)= 28.7, result to look for 59.41 for the tip

$$59.41 = 28.7 \times 1.15 \times \frac{36"}{20"}$$

Example - Convert for 36" when chart based on 40" spacing. You want (A)=28.7, result to look for 29.7 for the tip

$$29.7 = 28.7 \times 1.15 \times \frac{36"}{40"}$$

Formula to Determine Total Flow When Spraying Trees

$$\text{GPM per Side (Gallons/Minute)} = \frac{\text{GPA} \times \text{MPH} \times \text{Tree Row Spacing (ft)}}{1000}$$

$$\text{Nozzle Size} = \frac{\text{Total GPM Per Side}}{\text{\# of Nozzles}}$$

Formula to Calibrate Airplane or Helicopter with 12' Boom, 50' Swath, 125 MPH

Formula to Calibrate Large Broadcast Nozzles like Boom Busters

$$\text{Total Flow Per Side} = \text{GPM} \times \text{MPH} \times \frac{\text{Boom Width (ft)}}{495}$$

$$\text{Nozzle Size} = \frac{\text{Total Flow Per Side}}{\text{\# of Nozzle Using}}$$



CHOOSING A NOZZLE

Suggested Minimum Spray Heights

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

Note: Always test for coverage before spraying.

Nozzle Tip	Spray Angle	20" nozzle spacing	30" nozzle spacing	40" nozzle spacing
TeeJet Standard, TJ	65°	22-24	33-35	NR*
TeeJet, XR, TX, DG, TJ	80°	17-19	26-28	NR*
TeeJet, XR, DG, TT, TJ, AI	110°	16-18	20-22	NR8
FullJetT	120°	10-18**	14-18**	14-18**
FloodJetT TK, TF	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 for TK FloodJetT nozzles.

Nitrogen Application Chart

Units of Nitrogen per Acre	PRODUCT REQUIRED IN GALLONS @ 60 F / POUNDS											
	19% @ 10.46 lbs		21% @ 10.73 lbs		25% @ 10.95 lbs		28% @ 10.65 lbs		30% @ 10.84 lbs		32% @ 11.06 lbs	
	gal/acre	lbs/acre	gal/acre	lbs/acre	gal/acre	lbs/acre	gal/acre	lbs/acre	gal/acre	lbs/acre	gal/acre	lbs/acre
30	15.1	158	13.3	143	11.0	120	10.1	107	9.2	100	8.5	94
35	17.6	184	15.6	167	12.8	140	11.7	125	10.8	117	9.9	109
40	20.1	210	17.8	191	14.6	160	13.4	143	12.3	133	11.3	125
45	22.6	237	20.0	215	16.4	180	15.0	161	13.9	150	12.7	141
50	25.1	263	22.2	238	18.3	200	16.8	179	15.4	167	14.1	156
55	27.6	289	24.4	262	20.1	220	18.4	196	17.0	183	15.5	172
60	30.2	315	26.7	286	21.9	240	20.1	214	18.5	200	16.5	182
65	32.7	342	28.9	310	23.8	260	21.8	232	20.0	217	18.4	203
70	35.2	368	31.1	334	25.6	280	23.5	250	21.5	233	19.8	219
75	37.7	394	33.3	358	27.4	300	25.2	268	23.1	250	21.9	234
80	40.2	421	35.6	382	29.2	320	26.8	286	24.6	267	22.6	250
85	42.7	447	37.8	405	31.1	340	28.5	304	26.2	283	24.0	266
90	45.2	473	40.0	429	32.9	360	30.2	321	27.7	300	25.4	281
95	47.7	499	42.2	453	34.7	380	31.9	339	29.3	317	26.8	297
100	50.3	526	44.4	477	36.5	400	33.5	357	30.8	333	28.3	312
120	60.3	631	53.3	572	43.8	480	40.2	429	36.9	400	33.9	375
140	70.4	736	62.2	668	51.2	560	46.9	500	43.1	467	39.6	437
160	80.4	841	71.1	763	58.5	640	53.7	571	49.2	534	45.2	500
180	90.5	946	80.0	858	65.8	720	60.4	643	55.4	600	50.9	562
200	100.5	1051	88.9	954	73.1	800	67.0	714	61.5	667	56.5	625
	19% @ 10.46 Lbs.		21% @ 10.73 Lbs.		25% @ 10.95 Lbs.		28% @ 10.65 Lbs.		30% @ 10.84 Lbs.		32% @ 11.06 Lbs.	

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BROADCAST NOZZLE SELECTION GUIDE

	HERBICIDES			FUNGICIDES		INSECTICIDES		DRIFT MANAGEMENT
	SOIL APPLIED	POST EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC	
		CONTACT	SYSTEMIC					
<i>Turbo TeeJet</i>		VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD
<i>Turbo TeeJet</i> at pressures below 30 PSI (2.0 bar)	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	VERY GOOD
<i>Turbo TwinJet</i>	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	VERY GOOD
<i>Turbo TwinJet</i> at pressures below 30 PSI (2.0 bar)	VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	EXCELLENT
<i>Turbo TeeJet Induction</i>	EXCELLENT		EXCELLENT		EXCELLENT		EXCELLENT	EXCELLENT
<i>XR, XRC TeeJet</i>		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	GOOD
<i>XR, XRC TeeJet</i> at pressures below 30 PSI (2.0 bar)	GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	VERY GOOD
<i>AIXR TeeJet</i>	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
<i>AI, AIC TeeJet</i>	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
<i>TwinJet</i>		EXCELLENT		EXCELLENT		EXCELLENT		
<i>DG TwinJet</i>	VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
<i>Turbo TeeJet Duo</i>		EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	VERY GOOD
<i>Turbo TeeJet Duo</i> at lower pressures	VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	EXCELLENT
<i>Turbo FloodJet</i>	EXCELLENT		VERY GOOD		VERY GOOD		VERY GOOD	EXCELLENT
<i>TurfJet</i>	EXCELLENT		EXCELLENT		EXCELLENT		EXCELLENT	EXCELLENT
<i>QCTF Turbo FloodJet</i>	EXCELLENT							EXCELLENT
<i>AirMatic AirJet</i>	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT

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



SPECIALTY APPLICATION NOZZLE SELECTION GUIDE

SPRAY TIPS

		HERBICIDES			FUNGICIDES		INSECTICIDES	
		PRE-EMER- GENCE	POST-EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
			CONTACT	SYSTEMIC				
BANDING	 <i>AIC TeeJet^{EVEN}</i>	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
	 <i>TeeJet^{EVEN}</i>	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD
	 <i>TwinJet^{EVEN}</i>		EXCELLENT		EXCELLENT		EXCELLENT	
DIRECTED SPRAYING	 <i>AI TeeJet^{EVEN}</i>	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
	 <i>TeeJet^{EVEN}</i>	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	 <i>TwinJet^{EVEN}</i>		VERY GOOD		VERY GOOD		VERY GOOD	
	 <i>AIUB TeeJet^{EVEN}</i>		GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
	 <i>ConeJet</i>		EXCELLENT		EXCELLENT		EXCELLENT	
MECHANICAL AIR ASSISTED	 <i>ConeJet</i>		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
	 <i>Disc-Core</i>		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD



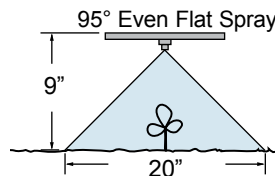
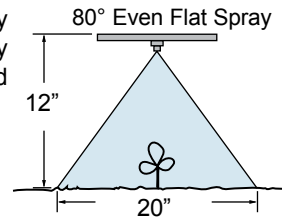
LIQUID FERTILIZER NOZZLE SELECTION GUIDE

	BROADCAST	DIRECTED
 StreamJet (3-ORIFICE)	VERY GOOD	EXCELLENT
 StreamJet (7-ORIFICE)	EXCELLENT	VERY GOOD
 StreamJet		EXCELLENT
 TP TeeJet (LARGE CAPACITY)	VERY GOOD	
 AI TeeJet AIC TeeJet (LOW VOLUME)	VERY GOOD	
 Turbo TeeJet Induction	EXCELLENT	
 AIUB TeeJet (LOW VOLUME)		VERY GOOD
 Turbo FloodJet	EXCELLENT	
 QCTF Turbo FloodJet	EXCELLENT	

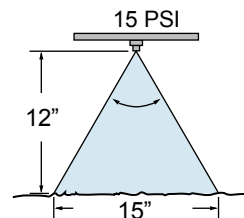
Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.

Helpful Reminders for Band Spraying

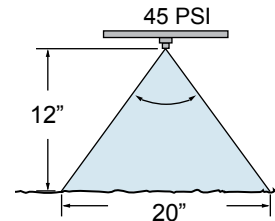
Wider angle spray tips allow the spray height to be lowered to minimize drift.
Example:



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



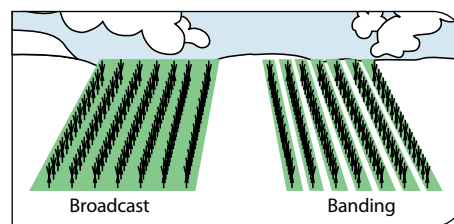
Example: 8002E Even Flat Spray



Use care when calculating:
Field Acres vs. Treated Acres

Field Acres = Total Acres of Planted Cropland

Treated Acres = $\text{Field Acres} \times \frac{\text{Band Width}}{\text{Row Spacing}}$



How to Order:



















































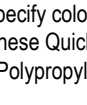
Specify tip number

- XR8004VS Stainless steel with VisiFlo color coding
- XR11004-VP Polymer with VisiFlo color coding
- XR8010SS Stainless steel
- XR11004VB Brass with VisiFlo color coding



Ordering Information

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

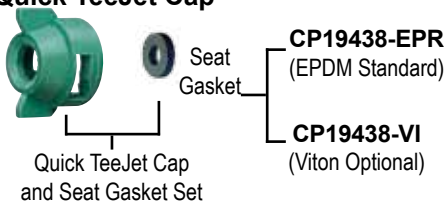
QUICK TEEJET CAPS	PART NUMBER		For Use with Flat Spray Tips 300 PSI (20 bar) Maximum pressure
	Quick TeeJet Cap Only	Quick TeeJet Cap & Seat Gasket Set	
	CP25611- * -NY	25612- * -NYR	<p>TeeJet Flat Spray Tips (Smaller Capacities)</p> <p>TP Standard  XR  DG TeeJet®  TT  Turbo TwinJet®  AIXR TeeJet®  OC TeeJet®  -01 Thru -08</p>
	CP25609- * -NY	25610- * -NYR	<p>TeeJet Flat Spray Tips (Larger Capacities)</p> <p>TP Standard  -10 Thru -20</p> <p>XR  -10 Thru -15</p>
	CP25597- * -NY	25598- * -NYR	<p>TJ60 TwinJet®  AI TeeJet®  AIUB TeeJet®  SJ3 StreamJet®  DG TwinJet®  Turbo TeeJet Induction®  AITT60 Turbo TwinJet® </p>
	CP25595- * -NY	25596- * -NYR	<p>TeeJet Flat Spray Tips (Smaller Capacities)</p> <p>Tips can be positioned in choice of two spray plane directions—parallel or perpendicular to wings of Quick TeeJet cap.</p>
	CP25599- * -NY	25600- * -NYR	<p>Turbo FloodJet®  VisiFlo® Spray Tip  TK-VS FloodJet®  VisiFlo Spray Tip  Locating Nib </p>
	CP25607- * -NY	25608- * -NYR	<p>TK FloodJet®  FL FullJet®  TX ConeJet®  TG Full Cone  Hose Shank  AITXA </p>
	CP25607- * -NY	—	<p>D-Disc  Core  Seal  Core  CP18999-EPR (EPDM standard)  CP18999-VI (Viton® optional)  Used with DC-Core Inserts and CP4916 Flow Regulators (Insert Core into Seal)</p>
	CP26277-1-NY†	26278-1-NYR†	<p>Ceramic Disc-Core  D-Disc  Core  TXB ConeJet®  AITXB </p>
	—	QJ4676-45-1/4-NYR†	45° Quick TeeJet cap
	—	QJ4676-90-1/4-NYR†	90° Quick TeeJet Cap
	—	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.
	—	QJ4676-1/4-NYR†	
	—	19843-NYR†	Provides shutoff at nozzle for quick spacing change or change in spray swath.

*Specify color code (see chart). Unless otherwise specified, a yellow (6) cap will be supplied. 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.

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

Turbo TeeJet® Wide Angle Flat Spray Tips

SPRAY TIPS

Typical Applications:

See selection guide for recommended typical applications for Turbo TeeJet tips.

Features:

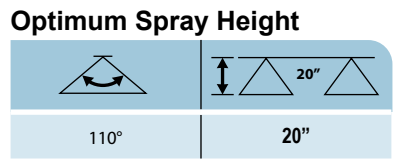
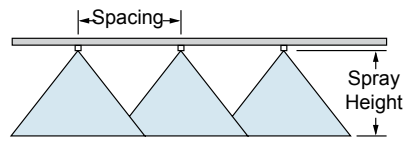
- Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying.
- Large, rounded internal passage to minimize clogging.
- Excellent resistance to corrosive solutions.
- Superior wear characteristics.
- Larger droplets for less drift 15–90 PSI
- Automatic spray alignment with 5612-^{*} NYR Quick TeeJet® cap and gasket.
- Blockage-free passage means less clogging.
- Unique internal configuration means substantially longer wear life.



TIPO	PSI	DROPS PER GPM	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20"															
					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				
TT11001 (100)	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	M	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	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				
	75	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				
TT110015 (100)	15	C	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				
	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				
TT11002 (50)	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	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				
	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				
	75	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				
TT110025 (50)	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	C	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				
	75	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				
TT11003 (50)	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				
	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				
TT11004 (50)	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	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				
	75	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				
TT11005 (50)	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	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				
	75	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
TT11006 (50)	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	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	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	C	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	75	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
TT11008 (50)	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	XC	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	VC	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				
	75	C	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				

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

*AT PRESSURES BELOW 30 PSI (2.0 BAR)



How to order:
Specify tip number.
Example:
TT11001-VP – Polymer with VisiFlo® color-coding

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

- Very Fine
- Fine
- Medium
- Course
- Very Course
- Extremely Course



BROADCAST NOZZLES

Turbo TwinJet® Twin Flat Spray Tips

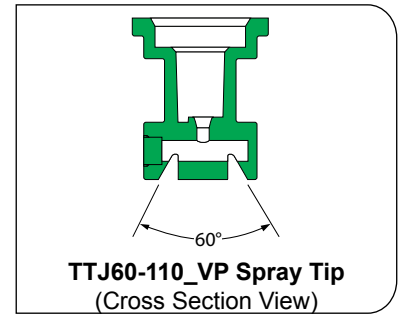
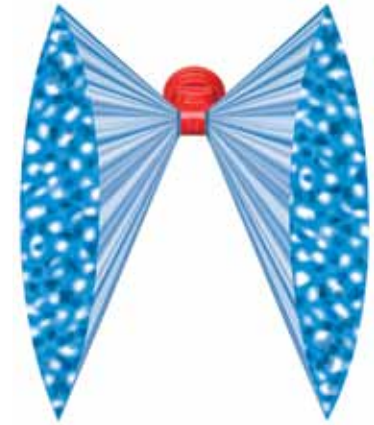
SPRAY TIPS

Typical Applications:

See selection guide 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
- Ideal for use with automatic sprayer controllers.
- Automatic alignment when used with 25612*-NYR Quick TeeJet® cap and gasket.



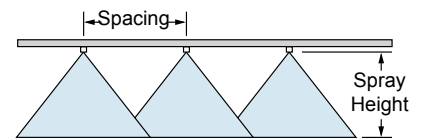
PSI	DROPSIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA										GALLONS PER 1000 SQ. FT.				
				20"														
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH			
20	C	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19			
30	C	0.17	22	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			
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			
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			
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			
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			
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).

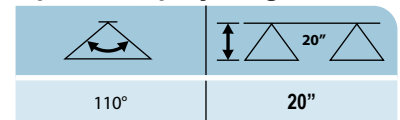
- Very Fine
- Fine
- Medium
- Coarse
- Very Coarse
- Extremely Coarse

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



How to order:

Specify tip number.

Example:

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

XRC TeeJet® Extended Range Flat Spray Tips

SPRAY TIPS

Typical Applications:

See selection guide for recommended typical applications for XRC TeeJet tips.

Features:

- Excellent spray distribution over a wide range of pressures—15–60 PSI
- 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.

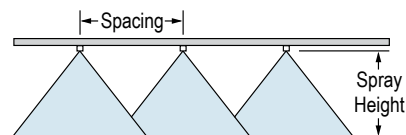


At 15 PSI (1 bar) Pressure At 60 PSI (4 bar) Pressure



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

Tip Angle	Optimum Spray Height
80°	30"
110°	20"

How to order:

Specify tip number.

Examples:

- XRC11004-VS – Stainless Steel with VisiFlo® color-coding
- XRC11004-VP – Polymer with VisiFlo color-coding
- XRC11004-VK – Ceramic with VisiFlo color-coding

TIP #	MATERIAL	DIP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20"										GALLONS PER 1000 SQ. FT.				
					GPA														
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH			
XRC80015 (100)	F	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			
		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			
		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			
		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			
		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			
XRC8002 XRC11002 (50)	F	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			
		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			
		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			
		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			
		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			
XRC110025 (50)	F	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			
		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			
		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			
		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			
		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			
XRC8003 XRC11003 (50)	F	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			
		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			
		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			
		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			
		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			
XRC8004 XRC11004 (50)	F	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			
		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			
		F	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			
		F	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			
		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			
XRC8005 XRC11005 (50)	F	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			
		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			
		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			
		F	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68			
		F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76			
XRC8006 XRC11006 (50)	F	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			
		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			
		F	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71			
		F	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82			
		F	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91			
XRC8008 XRC11008 (50)	F	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			
		M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78			
		F	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94			
		F	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1			
		F	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2			
XRC11010	F	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3			
		M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83			
		M	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97			
		F	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2			
		F	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4			
XRC11015	F	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5			
		F	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7			
		M	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3			
		M	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4			
		F	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8			
XRC11020	F	M	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0			
		F	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3			
		F	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5			
		M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7			
		M	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9			
XRC11020	F	M	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4			
		F	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7			
		F	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0			
		F	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).

Very Fine Fine Medium Coarse Very Coarse Extremely Coarse



BROADCAST NOZZLES

AIXR TeeJet® Air Induction XR Flat Spray Tips

SPRAY TIPS



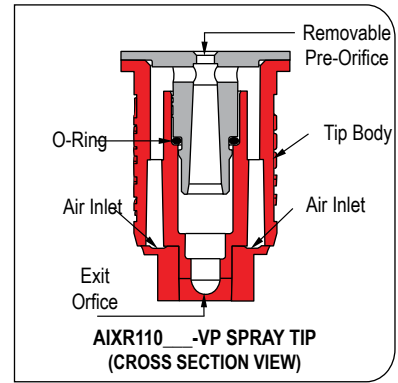
Typical Applications:

See selection guide 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.

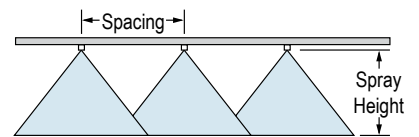


TIPOLOGY	PSI	DROPS SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	GPA										GALLONS PER 1000 SQ. FT.																																																																																																																						
					20"																																																																																																																																
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH																																																																																																																					
AIXR110015 (100)	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					
	AIXR11002 (50)	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	C	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				
		AIXR110025 (50)	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			
			AIXR11003 (50)	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		
				AIXR11004 (50)	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	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	
					AIXR11005 (50)	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	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
						AIXR11006 (50)	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	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

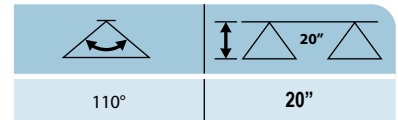
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

- Very Fine
- Fine
- Medium
- Coarse
- Very Coarse
- Extremely Coarse

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



Optimum Spray Height



How to order:

Specify tip number.

Example:

AIXR11004VP – Polymer with VisiFlo color-coding



BROADCAST NOZZLES

Turbo FloodJet® Wide Angle Flat Spray Tips

SPRAY TIPS

Typical Applications:

See selection guide 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.

QCT Cam-Loc Adapter

- Provides easy changeover from high capacity to lower capacity nozzles.
- Adapter fits standard 3/4" quick connect Cam-Loc holders.
- Corrosion-resistant stainless steel and polypropylene construction.
- Rated up to 100 PSI.
- Use QJT-NYB to retrofit to Quick TeeJet.

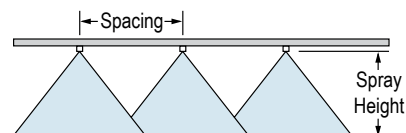


PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	40"								20"				
				GPA								GALLONS PER 1000 SQ. FT.				
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	
TF-†2 (50)	10	XC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	20	XC	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	XC	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
TF-†2.5 (50)	10	XC	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	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
	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
TF-†3 (50)	10	XC	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	XC	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
TF-†4 (50)	10	XC	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	XC	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
TF-†5	10	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
	20	XC	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	XC	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
TF-†7.5	10	XC	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	XC	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	XC	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
TF-†10	10	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
	20	XC	1.41	180	52	42	35	26	21	17.4	14.0	10.5	4.8	3.2	2.4	1.9
	30	XC	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). †Specify material.



CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	VERY GOOD	EXCELLENT



Optimum Spray Height

20"	24"
20"	30"
30"	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.

Examples:

TF-VS4 – Stainless Steel with VisiFlo color-coding

TF-VP4 – Polymer with VisiFlo color-coding

BROADCAST NOZZLES



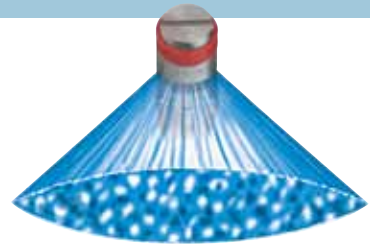
Newton Crouch Inc

Parts and Equipment Catalog

www.newtoncrouch.com

TurfJet Wide Angle Flat Fan Spray Nozzles

SPRAY TIPS



Typical Applications:

See selection guide 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"
- Spraying pressure—25–75 PSI



QJ4676-90-1/4-NYR

- 90° fitting attaches to Quick TeeJet bodies—1/4" female threaded outlet.
- Simple installation of TurfJet nozzles on vertical nozzle bodies.
- Nylon construction.

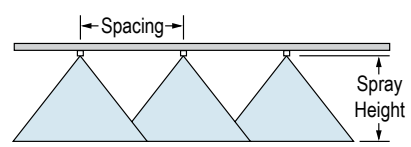


NOZZLE SIZE	PSI	DROP SIZE	CAPACITY ONE NOZZLE		40"								20"			
			IN GPM	IN OZ./MIN.	GPA								GALLONS PER 1000 SQ. FT.			
			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH		
1/4TTJ02 (50)	25	XC	0.16	20	5.9	4.8	4.0	3.0	2.4	2.0	1.6	1.2	0.54	0.36	0.27	0.22
	30	XC	0.17	22	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	XC	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
1/4TTJ04 (50)	25	XC	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	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	XC	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	XC	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	XC	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
1/4TTJ05 (50)	25	XC	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	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
	50	XC	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	XC	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
1/4TTJ06 (50)	25	XC	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	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
	50	XC	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	XC	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
1/4TTJ08	25	XC	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	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
	50	XC	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	XC	0.98	125	36	29	24	18.2	14.6	12.1	9.7	7.3	3.3	2.2	1.7	1.3
1/4TTJ10	25	XC	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	XC	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
	50	XC	1.12	143	42	33	28	21	16.6	13.9	11.1	8.3	3.8	2.5	1.9	1.5
	60	XC	1.22	156	45	36	30	23	18.1	15.1	12.1	9.1	4.1	2.8	2.1	1.7
1/4TTJ15	25	XC	1.19	152	44	35	29	22	17.7	14.7	11.8	8.8	4.0	2.7	2.0	1.6
	30	XC	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
	50	XC	1.68	215	62	50	42	31	25	21	16.6	12.5	5.7	3.8	2.9	2.3
	60	XC	1.84	236	68	55	46	34	27	23	18.2	13.7	6.3	4.2	3.1	2.5
75	XC	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).

Very Fine Fine Medium Coarse Very Coarse Extremely Coarse

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. See pages 173–187 for drop size classification, useful formulas and information.

How to order:
Specify tip number.

- Examples:
- 1/4TTJ04-VS – Stainless Steel with VisiFlo® color-coding
 - 1/4TTJ06-VP – Polymer with VisiFlo color-coding



BROADCAST NOZZLES

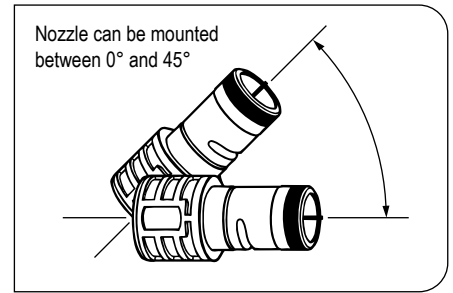
Albany - 1-800-624-7931

Sebring - 1-877-605-0273

Griffin 1-800-241-1350

Quick Turbo FloodJet® Wide Angle Flat Spray Tips

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.
- Grooved side molding for automatic alignment with any quick-connect coupler.

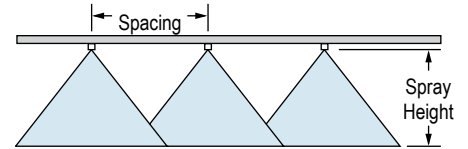
- Stainless steel with color-coding for easy size identification.
- Available in standard sizes from 1.5 GPM up to 24.0 GPM at pressures of 10–40 PSI.

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

Nozzle	PSI	Cap. 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
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
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
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
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
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
QCTF-VS60	10	6.00	149	119	99	85	74	66	59	50	42	37	33
	20	8.49	210	168	140	120	105	93	84	70	60	53	47
	30	10.4	257	206	172	147	129	114	103	86	74	64	57
	40	12.0	297	238	198	170	149	132	119	99	85	74	66
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
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
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).



BROADCAST NOZZLES

StreamJet® SJ-7 Fertilizer Nozzles

Typical Application:

Excellent for application of liquid fertilizer.

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.

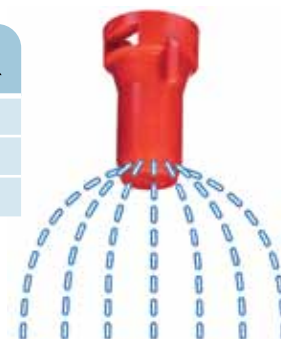
- VisiFlo® color-coding for easy capacity identification.
- All acetal construction for excellent chemical resistance.
- Recommended operating pressure: 20–60 PSI

How to order:

Specify nozzle number.
Example: SJ7-04-VP

Optimum Spray Height

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



SPRAY TIPS



**50854-NYB
Extension
Adapter**



		CAPACITY ONE NOZZLE IN GPM	GPA										
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ7-015-VP (100)	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
SJ7-02-VP (50)	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
SJ7-03-VP (50)	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
SJ7-04-VP (50)	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
SJ7-05-VP (50)	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
SJ7-06-VP (50)	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
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
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
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).



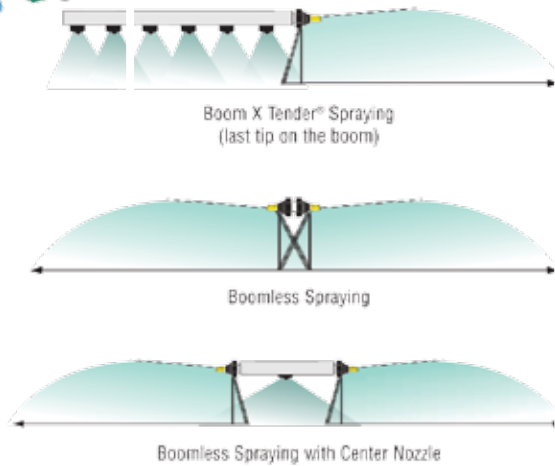
The XT introduces boomless psray technology, enabling spray to be targeted into places that conventional booms and other tips cannot reach. XT delivers a uniform spray pattern over a distance of up to 20 feet. Ideal for weed control in forest and over pasture land. the smallest size, the XT010, is especially useful for application made using ATV sprayers.

Features:

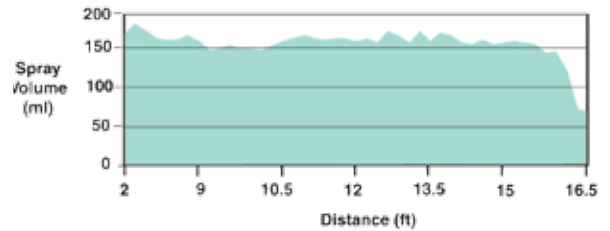
- Ideal for applications where a conventional boom cannot be used
- Common uses include orchard, vineyard, forestry, pasture, turf and golf course spraying, as well as maintaining rights of way and fence rows
- Excellent low drift option while extending reach
- Large droplet size reduces spray drift and promotes spray penetration
- Maintains a consistent spray swath over a pressure range of 30-60 PSI
- Standard models with precision-molded polyacetal tip and threaded stainless steel body provide excellent durability and low maintenance
- FastCap models design with precision -modeled polyacetal tip and cap
- Can be used with manual or automatic rate controllers



Common Uses of the Boom X Tender® Spray Nozzles

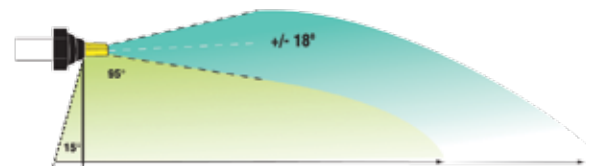


Typical Spray Pattern Produced by XT Series



Adjustable Swath Width

Swath width can be increased or decreased by adjusting the angle of the tip +/- 18°.



BROADCAST and TURF Applications				Application Rate (GPA)												US Gal/1000 sq.ft.				Overall Swath (ft) @ 40PSI
Thread*	XT model	PSI	US GPM	at MPH												at MPH				
				4	5	6	7	8	10	12	14	16	18	20	2	3	4	5		
1/4" MNPT	XT010	30	0.9	9.3	7.4	6.2	5.3	4.6	3.7	3.1	2.7	2.3	2.1	1.9	0.43	0.28	0.21	0.17	12	
		40	1.0	10.3	8.3	6.9	5.9	5.2	4.1	3.4	2.9	2.6	2.3	2.1	0.47	0.32	0.24	0.19		
		50	1.1	11.3	9.1	7.6	6.5	5.7	4.5	3.8	3.2	2.8	2.5	2.3	0.52	0.35	0.26	0.21		
		60	1.2	12.4	9.9	8.3	7.1	6.2	5.0	4.1	3.5	3.1	2.8	2.5	0.57	0.38	0.28	0.23		
1/4" MNPT*	XT020 FC-XT020	30	1.7	12.4	9.9	8.3	7.1	6.2	5.0	4.1	3.5	3.1	2.8	2.5	0.57	0.38	0.28	0.23	17	
		40	2.0	14.6	11.6	9.7	8.3	7.3	5.8	4.9	4.2	3.6	3.2	2.9	0.67	0.45	0.33	0.27		
		50	2.2	16.0	12.8	10.7	9.2	8.0	6.4	5.3	4.6	4.0	3.6	3.2	0.74	0.49	0.37	0.29		
		60	2.4	17.5	14.0	11.6	10.0	8.7	7.0	5.8	5.0	4.4	3.9	3.5	0.80	0.53	0.40	0.32		
1/4" MNPT*	XT024 FC-XT024	30	2.1	14.4	11.6	9.6	8.3	7.2	5.8	4.8	4.1	3.6	3.2	2.9	0.66	0.44	0.33	0.27	18	
		40	2.4	16.5	13.2	11.0	9.4	8.3	6.6	5.5	4.7	4.1	3.7	3.3	0.76	0.51	0.38	0.30		
		50	2.7	18.6	14.9	12.4	10.6	9.3	7.4	6.2	5.3	4.6	4.1	3.7	0.85	0.57	0.43	0.34		
		60	2.9	19.9	16.0	13.3	11.4	10.0	8.0	6.6	5.7	5.0	4.4	4.0	0.92	0.61	0.46	0.37		
3/8" MNPT*	XT043 FC-XT043	30	3.7	25	20	17.0	14.5	12.7	10.2	8.5	7.3	6.4	5.7	5.1	1.2	0.78	0.58	0.47	18	
		40	4.3	30	24	19.7	16.9	14.8	11.8	9.9	8.4	7.4	6.6	5.9	1.4	0.90	0.68	0.54		
		50	4.8	33	26	22	18.9	16.5	13.2	11.0	9.4	8.3	7.3	6.6	1.5	1.0	0.76	0.61		
		60	5.3	36	29	24	21	18.2	14.6	12.1	10.4	9.1	8.1	7.3	1.7	1.1	0.84	0.67		
1/2" MNPT	XT080	30	6.9	50	40	33	29	25	20	16.7	14.4	12.6	11.2	10.0	2.3	1.5	1.2	0.92	17	
		40	8.0	58	47	39	33	29	23	19.4	16.6	14.6	12.9	11.6	2.7	1.8	1.3	1.1		
		50	8.9	65	52	43	37	32	26	22	18.5	16.2	14.4	13.0	3.0	2.0	1.5	1.2		
		60	9.8	71	57	48	41	36	29	24	20	17.8	15.9	14.3	3.3	2.2	1.6	1.3		
3/4" MNPT	XT167	30	14.5	100	80	66	57	50	40	33	28	25	22	20	4.6	3.1	2.3	1.8	18	
		40	16.7	115	92	77	66	57	46	38	33	29	26	23	5.3	3.5	2.6	2.1		
		50	18.7	129	103	86	73	64	51	43	37	32	29	26	5.9	3.9	3.0	2.4		
		60	20.5	141	113	94	81	70	56	47	40	35	31	28	6.5	4.3	3.2	2.6		
3/4" MNPT	XT215	30	18.6	115	92	77	66	58	46	38	33	29	26	23	5.3	3.5	2.6	2.1	20	
		40	21.5	133	106	89	76	67	53	44	38	33	30	27	6.1	4.1	3.1	2.4		
		50	24.0	149	119	99	85	74	59	50	42	37	33	30	6.8	4.5	3.4	2.7		
		60	26.3	163	130	108	93	81	65	54	46	41	36	33	7.5	5.0	3.7	3.0		

BOOM BUSTER SPRAY NOZZLES



Features

- All nozzles machined from solid stainless steel. All have replaceable industrial grade nylon diffusers. (Test have shown this nylon will outlast stainless steel)
- Extra wide spray pattern
- Excellent pattern and distribution
- All models spray chemicals and fertilizer
- All nozzles have standard pipe thread
- No small, fine mesh strainers to stop up

Example of Uses for Boom Buster Nozzles:

- Spraying herbicide, fungicides, & insecticides on crops, vineyard, and orchards
- Spraying liquid fertilizer, nitrogen, & foliar feed fertilizer on crops
- Spraying chemical and fertilizer on turf and golf courses
- Spraying chemical and fertilizer on canals, waterways, lakes, and ponds

How to Use Chart:

Find desired gallons per acre. Find MPH directly above. Move left from gallons per acre to find correct nozzles.

Model	PSI	GPM	Dist ft	Eff Dist	Nozzle Angle	Speed in Miles per Hour														
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
125 1/4" Std Pipe Thread	30	1.7	17	15.5	Level	54	27	18	13	11	9	7.8	-	-	-	-	-	-	-	-
	40	2.0	17	15.5	Level	64	32	21	16	13	11	9.1	-	-	-	-	-	-	-	-
140 1/4" Std Pipe Thread	30	2	18	16.5	Level	-	30	20	15	12	10	8.5	7.5	6.7	6	5.5	5	4.6	4.3	4
	40	2.4	18	16.5	Level	-	36	24	18	14	12	10	9	8	7	6.5	6	5.5	5.1	4.8
	50	2.7	18	16.5	Level	-	41	27	20	16	14	12	10	9	8	7.4	6.8	6.2	5.8	5.4
187 3/8" Std Pipe Thread	30	3.6	20	18.5	Level	-	48	32	24	19	16	14	12	11	9.6	8.8	8	7.4	6.9	6.4
	40	4.3	20	18.5	Level	-	58	38	29	23	19	16	14	13	12	11	9.6	8.9	8.2	7.7
	50	4.8	20	18.5	Level	-	64	43	32	26	21	18	16	14	13	12	11	10	9.2	8.6
265 1/2" Std Pipe Thread	30	6.8	21	19.5	Level	-	86	58	43	35	29	25	22	19	17	16	14	13	12	11
	40	8.0	21	19.5	Level	-	102	68	51	41	34	29	25	23	20	18	17	15	14	13
	50	8.8	21	19.5	Level	-	112	75	56	45	37	32	28	25	22	20	19	17	16	15

Gallons per Acre (Water used for all calculations)



AIR BLAST SPRAY NOZZLES

Disc-Core Hollow Cone Type Spray Tips

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



Disc-Core Hollow Cone Type Spray Tips

		100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI	
D1	DC13	.031"	.097	.115	.128	.152	—	51°	62°
D1.5	DC13	.036"	.110	.127	.142	.167	38°	55°	66°
D2	DC13	.041"	.12	.14	.16	.18	49°	67°	72°
D3	DC13	.047"	.13	.16	.18	.20	53°	70°	75°
D4	DC13	.063"	.17	.20	.23	.27	69°	79°	83°
D1	DC23	.031"	.107	.124	.139	.164	—	47°	58°
D1.5	DC23	.036"	.130	.155	.175	.210	34°	51°	62°
D2	DC23	.041"	.16	.19	.21	.25	51°	63°	70°
D3	DC23	.047"	.18	.21	.24	.28	58°	69°	75°
D4	DC23	.063"	.23	.28	.32	.38	68°	82°	87°
D5	DC23	.078"	.28	.34	.38	.46	79°	89°	94°
D6	DC23	.094"	.32	.39	.45	.54	84°	93°	98°
D1	DC25	.031"	.156	.185	.210	.255	—	27°	43°
D1.5	DC25	.036"	.205	.245	.280	.33	—	38°	49°
D2	DC25	.041"	.25	.29	.34	.41	39°	51°	58°
D3	DC25	.047"	.29	.35	.40	.48	52°	61°	67°
D4	DC25	.063"	.45	.54	.62	.75	67°	74°	80°
D5	DC25	.078"	.54	.65	.75	.90	73°	79°	84°
D6	DC25	.094"	.70	.85	.97	1.19	79°	85°	89°
D7	DC25	.109"	.81	.98	1.18	1.37	85°	91°	93°
D8	DC25	.125"	.97	1.19	1.36	1.68	91°	96°	97°
D10	DC25	.156"	1.21	1.48	1.71	2.1	97°	102°	103°
D12	DC25	.188"	1.47	1.81	2.09	2.55	103°	109°	112°
D14	DC25	.219"	1.65	2.02	2.34	2.89	108°	113°	114°
D1	DC45	.031"	.190	.225	.257	.310	—	22°	34°
D1.5	DC45	.036"	.25	.31	.35	.43	—	33°	44°
D2	DC45	.041"	.32	.38	.44	.53	32°	46°	55°
D3	DC45	.047"	.36	.44	.51	.62	40°	53°	60°
D4	DC45	.063"	.56	.68	.78	.95	62°	69°	72°
D5	DC45	.078"	.71	.86	.99	1.22	67°	73°	76°
D6	DC45	.094"	.93	1.15	1.33	1.64	73°	79°	81°
D7	DC45	.109"	1.11	1.35	1.57	1.94	81°	86°	87°
D8	DC45	.125"	1.35	1.68	1.94	2.40	86°	90°	90°
D10	DC45	.156"	1.77	2.18	2.50	3.10	90°	93°	93°
D12	DC45	.188"	2.20	2.69	3.11	3.80	97°	100°	102°
D14	DC45	.218"	2.45	3.00	3.49	4.30	101°	104°	105°
D16	DC45	.250"	2.89	3.54	4.11	5.20	108°	111°	112°
D1	DC46	.031"	.23	.28	.32	.39	—	13°	15°
D1.5	DC46	.036"	.33	.41	.46	.56	—	15°	17°
D2	DC46	.041"	.42	.50	.57	.68	—	18°	21°
D3	DC46	.047"	.51	.61	.70	.86	14°	20°	24°
D4	DC46	.063"	.88	1.07	1.23	1.52	23°	29°	33°
D5	DC46	.078"	1.25	1.50	1.73	2.13	33°	39°	42°
D6	DC46	.094"	1.73	2.16	2.50	3.06	42°	48°	50°
D7	DC46	.109"	2.22	2.73	3.15	3.85	48°	53°	56°
D8	DC46	.125"	2.93	3.60	4.17	5.05	—	60°	62°
D10	DC46	.156"	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).

ATR Abluz

Applications:

- For fungicides and insecticides
- Recommended for arboriculture and vineyards



Features:

- Replaces disc & cores
- Angle of 80 at 70 psi
- Hollow cone nozzles producing fine droplets
- Abluz ATR Ceramic allows work at high pressure
- Three Ceramic inserts outwear stainless steel nozzles by up to 10 times
- Easy dismantling for cleaning
- Held on deep brass caps SS20230
- Recommended pressure 40 to 340 psi

ALBUZ ATR Spray Tips

Tips	100 PSI	150 PSI	220 PSI
Lilac	0.109	0.131	0.157
Brown	0.148	0.178	0.212
Yellow	0.225	0.271	0.323
Orange	0.302	0.363	0.433
Red	0.423	0.51	0.609
Green	0.545	0.657	0.784
Blue	0.751	0.905	1.079

How to order Albus ATR Spray Tips:

To order Albus nozzles, specify color

Examples:

ATR-Lilac – Lilac color tip

How to order TeeJet Hollow Cone:

To order orifice disc only, specify disc number and material.

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-AL – Aluminum
- DC13 – Brass
- DC13-NY – Nylon



Newton Crouch usually uses Orifice/ Flow Regulators for banding Nitrogen on a row or dripping Nitrogen on wheat with John Blue Pumps. Also, flow regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants.

How to order:

Specify orifice plate number.

Example: CP4916-008

Typical Assembly Used By Newton Crouch Inc



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

$$\text{GPM (per nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5940}$$

$$\text{GPA} = \frac{5940 \times \text{GPM (per nozzle)}}{\text{MPH} \times \text{W}}$$

Tabulated flow rates are for spraying water into air atmospheric pressure. If your application creates back pressure, or if spraying into aliquid, measure and calibrate to ensure proper application rates. For spraying solutions other than water, see "How to Pick an Orifice" for conversion factors. Also see pages 108-112 for more information.

D Disc Equivalents to CP4916-(_)

D Disc	CP4916-(_)	D Disc	CP4916-(_)
DI	31	D6	94
D1.5	36	D7	109
D2	41	D8	125
D3	47	D10	156
D4	63	D12	189
D5	78		

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

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

MATERIAL: Stainless Steel



Orifice	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010
CP4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016
CP4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023
CP4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031
CP4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036
CP4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040
CP4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051
CP4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064
CP4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075
CP4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091
CP4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097
CP4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105
CP4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111
CP4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120
CP4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132
CP4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140
CP4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151
CP4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165
CP4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180
CP4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192
CP4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211
CP4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234
CP4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250
CP4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258
CP4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283
CP4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306
CP4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331

Orifice	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337
CP4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350
CP4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361
CP4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403
CP4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410
CP4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441
CP4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462
CP4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490
CP4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530
CP4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571
CP4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601
CP4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639
CP4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680
CP4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702
CP4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750
CP4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784
CP4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808
CP4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850
CP4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943
CP4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971
CP4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01
CP4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10
CP4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15
CP4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20
CP4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28
CP4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34
CP4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40

Orifice	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53
CP4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60
CP4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79
CP4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90
CP4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09
CP4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18
CP4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40
CP4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50
CP4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68
CP4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91
CP4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10
CP4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21
CP4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30
CP4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60
CP4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80
CP4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00
CP4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20
CP4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51
CP4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70
CP4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90
CP4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10
CP4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40
CP4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00
CP4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50
CP4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30
CP4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50
CP4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80

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



FLOW REGULATORS/ORIFICE SELECTION

SPRAY TIPS

Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing								Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing								
			2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph				2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph	
4916-008	5	0.003	0.45	0.30	0.22	0.18	0.15	0.13	0.11	0.09	4916-22	5	0.022	3.3	2.2	1.6	1.3	1.1	0.93	0.82	0.65	
	10	0.004	0.59	0.40	0.30	0.24	0.20	0.17	0.15	0.12		10	0.031	4.6	3.1	2.3	1.8	1.5	1.3	1.2	0.92	
	20	0.006	0.89	0.59	0.45	0.36	0.30	0.25	0.22	0.18		20	0.043	6.4	4.3	3.2	2.6	2.1	1.8	1.6	1.3	
	30	0.007	1.0	0.69	0.52	0.42	0.35	0.30	0.26	0.21		30	0.053	7.9	5.2	3.9	3.1	2.6	2.2	2.0	1.6	
4916-10	40	0.008	1.2	0.79	0.59	0.48	0.40	0.34	0.30	0.24	4916-24	40	0.062	9.21	6.14	4.60	3.68	3.07	2.63	2.30	1.84	
	5	0.005	0.74	0.50	0.37	0.30	0.25	0.21	0.19	0.15		5	0.026	3.9	2.6	1.9	1.5	1.3	1.1	0.97	0.77	
	10	0.007	1.0	0.69	0.52	0.42	0.35	0.30	0.26	0.21		10	0.037	5.5	3.7	2.7	2.2	1.8	1.6	1.4	1.1	
	20	0.009	1.3	0.89	0.67	0.53	0.45	0.38	0.33	0.27		20	0.052	7.7	5.1	3.9	3.1	2.6	2.2	1.9	1.5	
4916-12	30	0.011	1.6	1.1	0.82	0.65	0.54	0.47	0.41	0.33	4916-25	30	0.064	9.5	6.3	4.8	3.8	3.2	2.7	2.4	1.9	
	40	0.014	2.1	1.4	1.0	0.83	0.69	0.59	0.52	0.42		40	0.074	11	7.33	5.49	4.40	3.66	3.14	2.75	2.20	
	5	0.007	1.0	0.69	0.52	0.42	0.35	0.30	0.26	0.21		4916-26	5	0.028	4.2	2.8	2.1	1.7	1.4	1.2	1.0	0.83
	10	0.010	1.5	0.99	0.74	0.59	0.50	0.42	0.37	0.30			10	0.040	5.9	4.0	3.0	2.4	2.0	1.7	1.5	1.2
20	0.013	1.9	1.3	0.97	0.77	0.64	0.55	0.48	0.39	20	0.056		8.3	5.5	4.2	3.3	2.8	2.4	2.1	1.7		
30	0.016	2.4	1.6	1.2	0.95	0.79	0.68	0.59	0.48	30	0.068		10.1	6.7	5.0	4.0	3.4	2.9	2.5	2.0		
4916-14	40	0.020	2.97	1.98	1.49	1.19	0.99	0.85	0.74	0.59	4916-27	40	0.080	11.9	7.92	5.94	4.75	3.96	3.39	2.97	2.38	
	5	0.009	1.3	0.89	0.67	0.53	0.45	0.38	0.33	0.27		4916-28	5	0.030	4.5	3.0	2.2	1.8	1.5	1.3	1.1	0.89
	10	0.013	1.9	1.3	0.97	0.77	0.64	0.55	0.48	0.39			10	0.043	6.4	4.3	3.2	2.6	2.1	1.8	1.6	1.3
	20	0.018	2.7	1.8	1.3	1.1	0.89	0.76	0.67	0.53			20	0.061	9.1	6.0	4.5	3.6	3.0	2.6	2.3	1.8
30	0.022	3.3	2.2	1.6	1.3	1.1	0.93	0.82	0.65	30	0.074		11.0	7.3	5.5	4.4	3.7	3.1	2.7	2.2		
4916-15	40	0.026	3.86	2.57	1.93	1.54	1.29	1.10	0.97	0.77	4916-29	40	0.086	12.8	8.51	6.39	5.11	4.26	3.65	3.19	2.55	
	5	0.010	1.5	0.99	0.74	0.59	0.50	0.42	0.37	0.30		4916-29	5	0.032	4.8	3.2	2.4	1.9	1.6	1.4	1.2	0.95
	10	0.015	2.2	1.5	1.1	0.89	0.74	0.64	0.56	0.45			10	0.046	6.8	4.6	3.4	2.7	2.3	2.0	1.7	1.4
	20	0.021	3.1	2.1	1.6	1.2	1.0	0.89	0.78	0.62			20	0.064	9.5	6.3	4.8	3.8	3.2	2.7	2.4	1.9
30	0.025	3.7	2.5	1.9	1.5	1.2	1.1	0.93	0.74	30	0.079		11.7	7.8	5.9	4.7	3.9	3.4	2.9	2.3		
4916-16	40	0.030	4.46	2.97	2.23	1.78	1.49	1.27	1.11	0.89	4916-29	40	0.092	13.7	9.11	6.83	5.46	4.55	3.90	3.42	2.73	
	5	0.012	1.8	1.2	0.89	0.71	0.59	0.51	0.45	0.36		4916-29	5	0.035	5.2	3.5	2.6	2.1	1.7	1.5	1.3	1.0
	10	0.017	2.5	1.7	1.3	1.0	0.84	0.72	0.63	0.50			10	0.049	7.3	4.9	3.6	2.9	2.4	2.1	1.8	1.5
	20	0.023	3.4	2.3	1.7	1.4	1.1	0.98	0.85	0.68			20	0.069	10.2	6.8	5.1	4.1	3.4	2.9	2.6	2.0
30	0.029	4.3	2.9	2.2	1.7	1.4	1.2	1.1	0.86	30	0.085		12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.5		
4916-18	40	0.034	5.05	3.37	2.52	2.02	1.68	1.44	1.26	1.01	4916-29	40	0.098	14.6	9.70	7.28	5.82	4.85	4.16	3.64	2.91	
	5	0.015	2.2	1.5	1.1	0.89	0.74	0.64	0.56	0.45		4916-29	5	0.038	5.6	3.8	2.8	2.3	1.9	1.6	1.4	1.1
	10	0.021	3.1	2.1	1.6	1.2	1.0	0.89	0.78	0.62			10	0.054	8.0	5.3	4.0	3.2	2.7	2.3	2.0	1.6
	20	0.030	4.5	3.0	2.2	1.8	1.5	1.3	1.1	0.89			20	0.076	11.3	7.5	5.6	4.5	3.8	3.2	2.8	2.3
30	0.036	5.3	3.6	2.7	2.1	1.8	1.5	1.3	1.1	30	0.094		14.0	9.3	7.0	5.6	4.7	4.0	3.5	2.8		
4916-20	40	0.042	6.24	4.16	3.12	2.49	2.08	1.78	1.56	1.25	4916-29	40	0.108	16.0	10.7	8.02	6.42	5.35	4.58	4.01	3.21	
	5	0.018	2.7	1.8	1.3	1.1	0.89	0.76	0.67	0.53		4916-29	5	0.040	5.9	4.0	3.0	2.4	2.0	1.7	1.5	1.2
	10	0.026	3.9	2.6	1.9	1.5	1.3	1.1	0.97	0.77			10	0.057	8.5	5.6	4.2	3.4	2.8	2.4	2.1	1.7
	20	0.037	5.5	3.7	2.7	2.2	1.8	1.6	1.4	1.1			20	0.081	12.0	8.0	6.0	4.8	4.0	3.4	3.0	2.4
30	0.045	6.7	4.5	3.3	2.7	2.2	1.9	1.7	1.3	30	0.099		14.7	9.8	7.4	5.9	4.9	4.2	3.7	2.9		
4916-20	40	0.052	7.72	5.15	3.86	3.09	2.57	2.21	1.93	1.54	4916-29	40	0.114	16.9	11.3	8.46	6.77	5.64	4.84	4.23	3.39	



FLOW REGULATORS/ORIFICE SELECTION

Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing								Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing							
			2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph				2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph
4916-31	5	0.043	6.4	4.3	3.2	2.6	2.1	1.8	1.6	1.3	4916-43	5	0.082	12.2	8.1	6.1	4.9	4.1	3.5	3.0	2.4
	10	0.062	9.2	6.1	4.6	3.7	3.1	2.6	2.3	1.8		10	0.116	17.2	11.5	8.6	6.9	5.7	4.9	4.3	3.4
	20	0.087	12.9	8.6	6.5	5.2	4.3	3.7	3.2	2.6		20	0.163	24	16.1	12.1	9.7	8.1	6.9	6.1	4.8
	30	0.107	15.9	10.6	7.9	6.4	5.3	4.5	4.0	3.2		30	0.200	30	19.8	14.9	11.9	9.9	8.5	7.4	5.9
	40	0.124	18.4	12.3	9.21	7.37	6.14	5.26	4.60	3.68		40	0.232	34.5	23	17.2	13.8	11.5	9.8	8.6	6.9
4916-32	5	0.048	7.1	4.8	3.6	2.9	2.4	2.0	1.8	1.4	4916-45	5	0.088	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.6
	10	0.068	10.1	6.7	5.0	4.0	3.4	2.9	2.5	2.0		10	0.125	18.6	12.4	9.3	7.4	6.2	5.3	4.6	3.7
	20	0.095	14.1	9.4	7.1	5.6	4.7	4.0	3.5	2.8		20	0.177	26	17.5	13.1	10.5	8.8	7.5	6.6	5.3
	30	0.117	17.4	11.6	8.7	6.9	5.8	5.0	4.3	3.5		30	0.217	32	21	16.1	12.9	10.7	9.2	8.1	6.4
	40	0.136	20.2	13.5	10.1	8.08	6.73	5.77	5.05	4.04		40	0.250	37.1	24.8	18.6	14.9	12.4	10.6	9.3	7.43
4916-34	5	0.052	7.7	5.1	3.9	3.1	2.6	2.2	1.9	1.5	4916-46	5	0.095	14.1	9.4	7.1	5.6	4.7	4.0	3.5	2.8
	10	0.074	11.0	7.3	5.5	4.4	3.7	3.1	2.7	2.2		10	0.135	20	13.4	10.0	8.0	6.7	5.7	5.0	4.0
	20	0.104	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.1		20	0.191	28	18.9	14.2	11.3	9.5	8.1	7.1	5.7
	30	0.127	18.9	12.6	9.4	7.5	6.3	5.4	4.7	3.8		30	0.234	35	23	17.4	13.9	11.6	9.9	8.7	6.9
	40	0.148	22	14.7	11	8.79	7.33	6.28	5.49	4.40		40	0.270	40.1	26.7	20.1	16.0	13.4	11.5	10.0	8.0
4916-35	5	0.056	8.3	5.5	4.2	3.3	2.8	2.4	2.1	1.7	4916-47	5	0.097	14.4	9.6	7.2	5.8	4.8	4.1	3.6	2.9
	10	0.079	11.7	7.8	5.9	4.7	3.9	3.4	2.9	2.3		10	0.138	20	13.7	10.2	8.2	6.8	5.9	5.1	4.1
	20	0.111	16.5	11.0	8.2	6.6	5.5	4.7	4.1	3.3		20	0.194	29	19.2	14.4	11.5	9.6	8.2	7.2	5.8
	30	0.136	20	13.5	10.1	8.1	6.7	5.8	5.0	4.0		30	0.238	35	24	17.7	14.1	11.8	10.1	8.8	7.1
	40	0.158	23.5	15.6	11.7	9.39	7.82	6.70	5.87	4.69		40	0.276	41	27.3	20.5	16.4	13.7	11.7	10.3	8.20
4916-37	5	0.061	9.1	6.0	4.5	3.6	3.0	2.6	2.3	1.8	4916-48	5	0.101	15.0	10.0	7.5	6.0	5.0	4.3	3.7	3.0
	10	0.086	12.8	8.5	6.4	5.1	4.3	3.6	3.2	2.6		10	0.143	21	14.2	10.6	8.5	7.1	6.1	5.3	4.2
	20	0.122	18.1	12.1	9.1	7.2	6.0	5.2	4.5	3.6		20	0.202	30	20	15.0	12.0	10.0	8.6	7.5	6.0
	30	0.149	22	14.8	11.1	8.9	7.4	6.3	5.5	4.4		30	0.248	37	25	18.4	14.7	12.3	10.5	9.2	7.4
	40	0.172	25.5	17.0	12.8	10.2	8.5	7.30	6.39	5.11		40	0.286	42.5	28.3	21.2	17	14.2	12.1	10.6	8.5
4916-39	5	0.068	10.1	6.7	5.0	4.0	3.4	2.9	2.5	2.0	4916-49	5	0.104	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.1
	10	0.096	14.3	9.5	7.1	5.7	4.8	4.1	3.6	2.9		10	0.148	22	14.7	11.0	8.8	7.3	6.3	5.5	4.4
	20	0.135	20	13.4	10.0	8.0	6.7	5.7	5.0	4.0		20	0.209	31	21	15.5	12.4	10.3	8.9	7.8	6.2
	30	0.165	25	16.3	12.3	9.8	8.2	7.0	6.1	4.9		30	0.255	38	25	18.9	15.1	12.6	10.8	9.5	7.6
	40	0.192	28.5	19.0	14.3	11.4	9.50	8.15	7.13	5.70		40	0.296	44	29.3	22	17.6	14.7	12.6	11	8.79
4916-40	5	0.072	10.7	7.1	5.3	4.3	3.6	3.1	2.7	2.1	4916-51	5	0.116	17.2	11.5	8.6	6.9	5.7	4.9	4.3	3.4
	10	0.102	15.1	10.1	7.6	6.1	5.0	4.3	3.8	3.0		10	0.165	25	16.3	12.3	9.8	8.2	7.0	6.1	4.9
	20	0.144	21	14.3	10.7	8.6	7.1	6.1	5.3	4.3		20	0.233	35	23	17.3	13.8	11.5	9.9	8.7	6.9
	30	0.177	26	17.5	13.1	10.5	8.8	7.5	6.6	5.3		30	0.285	42	28	21	16.9	14.1	12.1	10.6	8.5
	40	0.204	30.3	20.2	15.2	12.1	10.1	8.7	7.6	6.06		40	0.330	49	32.7	24.5	19.6	16.3	14	12.3	9.8
4916-41	5	0.075	11.1	7.4	5.6	4.5	3.7	3.2	2.8	2.2	4916-52	5	0.118	17.5	11.7	8.8	7.0	5.8	5.0	4.4	3.5
	10	0.106	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.1		10	0.168	25	16.6	12.5	10.0	8.3	7.1	6.2	5.0
	20	0.149	22	14.8	11.1	8.9	7.4	6.3	5.5	4.4		20	0.237	35	23	17.6	14.1	11.7	10.1	8.8	7.0
	30	0.183	27	18.1	13.6	10.9	9.1	7.8	6.8	5.4		30	0.290	43	29	22	17.2	14.4	12.3	10.8	8.6
	40	0.212	31.5	21	15.7	12.6	10.5	9	7.9	6.3		40	0.336	49.9	33.3	25	20	16.7	14.3	12.5	10



FLOW REGULATORS/ORIFICE SELECTION

SPRAY TIPS

Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing								Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing							
			2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph				2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph
4916-54	5	0.127	18.9	12.6	9.4	7.5	6.3	5.4	4.7	3.8	4916-68	5	0.203	30	20	15.1	12.1	10.0	8.6	7.5	6.0
	10	0.180	27	17.8	13.4	10.7	8.9	7.6	6.7	5.3		10	0.287	43	28	21	17.0	14.2	12.2	10.7	8.5
	20	0.255	38	25	18.9	15.1	12.6	10.8	9.5	7.6		20	0.405	60	40	30	24	20	17.2	15.0	12.0
	30	0.312	46	31	23	18.5	15.4	13.2	11.6	9.3		30	0.496	74	49	37	29	25	21	18.4	14.7
	40	0.360	53.5	35.7	26.7	21.4	17.8	15.3	13.4	10.7		40	0.574	85.2	56.8	42.6	34.1	28.4	24.4	21.3	17.1
4916-55	5	0.133	19.8	13.2	9.9	7.9	6.6	5.6	4.9	4.0	4916-70	5	0.216	32	21	16.0	12.8	10.7	9.2	8.0	6.4
	10	0.189	28	18.7	14.0	11.2	9.4	8.0	7.0	5.6		10	0.306	45	30	23	18.2	15.1	13.0	11.4	9.1
	20	0.267	40	26	19.8	15.9	13.2	11.3	9.9	7.9		20	0.433	64	43	32	26	21	18.4	16.1	12.9
	30	0.326	48	32	24	19.4	16.1	13.8	12.1	9.7		30	0.530	79	52	39	31	26	22	19.7	15.7
	40	0.378	56.1	37.4	28.1	22.5	18.7	16.0	14.0	11.2		40	0.612	90.9	60.6	45.4	36.4	30.3	26	22.7	18.2
4916-57	5	0.141	21	14.0	10.5	8.4	7.0	6.0	5.2	4.2	4916-72	5	0.226	34	22	16.8	13.4	11.2	9.6	8.4	6.7
	10	0.200	30	19.8	14.9	11.9	9.9	8.5	7.4	5.9		10	0.320	48	32	24	19.0	15.8	13.6	11.9	9.5
	20	0.283	42	28	21	16.8	14.0	12.0	10.5	8.4		20	0.453	67	45	34	27	22	19.2	16.8	13.5
	30	0.346	51	34	26	21	17.1	14.7	12.8	10.3		30	0.554	82	55	41	33	27	24	21	16.5
	40	0.400	59.4	39.6	29.7	23.8	19.8	17	14.9	11.9		40	0.640	95.0	63.4	47.5	38.0	31.7	27.2	23.8	19.0
4916-59	5	0.153	23	15.1	11.4	9.1	7.6	6.5	5.7	4.5	4916-73	5	0.233	35	23	17.3	13.8	11.5	9.9	8.7	6.9
	10	0.217	32	21	16.1	12.9	10.7	9.2	8.1	6.4		10	0.330	49	33	25	19.6	16.3	14.0	12.3	9.8
	20	0.306	45	30	23	18.2	15.1	13.0	11.4	9.1		20	0.467	69	46	35	28	23	19.8	17.3	13.9
	30	0.375	56	37	28	22	18.6	15.9	13.9	11.1		30	0.572	85	57	42	34	28	24	21	17.0
	40	0.434	64.5	43	32.2	25.8	21.5	18.4	16.1	12.9		40	0.660	98.0	65.3	49.0	39.2	32.7	28.0	24.5	19.6
4916-61	5	0.165	25	16.3	12.3	9.8	8.2	7.0	6.1	4.9	4916-75	5	0.245	36	24	18.2	14.6	12.1	10.4	9.1	7.3
	10	0.233	35	23	17.3	13.8	11.5	9.9	8.7	6.9		10	0.347	52	34	26	21	17.2	14.7	12.9	10.3
	20	0.330	49	33	25	19.6	16.3	14.0	12.3	9.8		20	0.491	73	49	36	29	24	21	18.2	14.6
	30	0.404	60	40	30	24	20.0	17.1	15.0	12.0		30	0.601	89	59	45	36	30	25	22	17.8
	40	0.466	69.2	46.1	34.6	27.7	23.1	19.8	17.3	13.8		40	0.694	103.1	68.7	51.5	41.2	34.4	29.5	25.8	20.6
4916-63	5	0.174	26	17.2	12.9	10.3	8.6	7.4	6.5	5.2	4916-78	5	0.272	40	27	20	16.2	13.5	11.5	10.1	8.1
	10	0.246	37	24	18.3	14.6	12.2	10.4	9.1	7.3		10	0.385	57	38	29	23	19.1	16.3	14.3	11.4
	20	0.347	52	34	26	21	17.2	14.7	12.9	10.3		20	0.544	81	54	40	32	27	23	20	16.2
	30	0.425	63	42	32	25	21	18.0	15.8	12.6		30	0.667	99	66	50	40	33	28	25	19.8
	40	0.492	73.1	48.7	36.5	29.2	24.4	20.9	18.3	14.6		40	0.770	114.4	76.2	57.2	45.7	38.1	32.7	28.6	22.9
4916-65	5	0.185	27	18.3	13.7	11.0	9.2	7.8	6.9	5.5	4916-80	5	0.280	42	28	21	16.6	13.9	11.9	10.4	8.3
	10	0.261	39	26	19.4	15.5	12.9	11.1	9.7	7.8		10	0.397	59	39	29	24	19.7	16.8	14.7	11.8
	20	0.369	55	37	27	22	18.3	15.7	13.7	11.0		20	0.561	83	56	42	33	28	24	21	16.7
	30	0.452	67	45	34	27	22	19.2	16.8	13.4		30	0.687	102	68	51	41	34	29	26	20
	40	0.522	77.5	51.7	38.8	31.0	25.8	22.2	19.4	15.5		40	0.794	117.9	78.6	59	47.2	39.3	33.7	29.5	23.6
4916-67	5	0.196	29	19.4	14.6	11.6	9.7	8.3	7.3	5.8	4916-81	5	0.290	43	29	22	17.2	14.4	12.3	10.8	8.6
	10	0.278	41	28	21	16.5	13.8	11.8	10.3	8.3		10	0.411	61	41	31	24	20	17.4	15.3	12.2
	20	0.392	58	39	29	23	19.4	16.6	14.6	11.6		20	0.581	86	58	43	35	29	25	22	17.3
	30	0.481	71	48	36	29	24	20	17.9	14.3		30	0.711	106	70	53	42	35	30	26	21
	40	0.556	82.6	55.0	41.3	33.0	27.5	23.6	20.6	16.5		40	0.822	122.1	81.4	61.0	48.8	40.7	34.9	30.5	24.4



FLOW REGULATORS/ORIFICE SELECTION

SPRAY TIPS

Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing							Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing								
			2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph				10 mph	2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph
4916-83	5	0.317	47	31	24	18.8	15.7	13.4	11.8	9.4	4916-107	5	0.518	77	51	38	31	26	22	19.2	15.4
	10	0.449	67	44	33	27	22	19.1	16.7	13.3		10	0.733	109	73	54	44	36	31	27	22
	20	0.634	94	63	47	38	31	27	24	18.8		20	1.04	154	103	77	62	51	44	39	31
	30	0.777	115	77	58	46	38	33	29	23		30	1.27	189	126	94	75	63	54	47	38
	40	0.898	133.4	88.9	66.7	53.3	44.5	38.1	33.3	26.7		40	1.47	217.7	145.1	108.9	87.1	72.6	62.2	54.4	43.6
4916-86	5	0.332	49	33	25	19.7	16.4	14.1	12.3	9.9	4916-110	5	0.548	81	54	41	33	27	23	20	16.3
	10	0.470	70	47	35	28	23	19.9	17.4	14.0		10	0.775	115	77	58	46	38	33	29	23
	20	0.664	99	66	49	39	33	28	25	19.7		20	1.10	163	109	82	65	54	47	41	33
	30	0.813	121	80	60	48	40	34	30	24		30	1.34	199	133	99	80	66	57	50	40
	40	0.940	139.6	93.1	69.8	55.8	46.5	39.9	34.9	27.9		40	1.55	230.2	153.5	115.1	92.1	76.7	65.8	57.5	46
4916-89	5	0.346	51	34	26	21	17.1	14.7	12.8	10.3	4916-115	5	0.605	90	60	45	36	30	26	22	18.0
	10	0.490	73	49	36	29	24	21	18.2	14.6		10	0.855	127	85	63	51	42	36	32	25
	20	0.693	103	69	51	41	34	29	26	21		20	1.21	180	120	90	72	60	51	45	36
	30	0.849	126	84	63	50	42	36	32	25		30	1.48	220	147	110	88	73	63	55	44
	40	0.980	145.5	97	72.8	58.2	48.5	41.6	36.4	29.1		40	1.71	253.9	169.3	127	101.6	84.7	72.6	63.5	50.8
4916-91	5	0.369	55	37	27	22	18.3	15.7	13.7	11.0	4916-120	5	0.629	93	62	47	37	31	27	23	18.7
	10	0.523	78	52	39	31	26	22	19.4	15.5		10	0.890	132	88	66	53	44	38	33	26
	20	0.739	110	73	55	44	37	31	27	22		20	1.26	187	125	94	75	62	53	47	37
	30	0.905	134	90	67	54	45	38	34	27		30	1.54	229	152	114	91	76	65	57	46
	40	1.05	155.3	103.6	77.7	62.1	51.8	44.4	38.8	31.1		40	1.78	264.3	176.2	132.2	105.7	88.1	75.5	66.1	52.9
4916-93	5	0.387	57	38	29	23	19.2	16.4	14.4	11.5	4916-125	5	0.693	103	69	51	41	34	29	26	21
	10	0.547	81	54	41	32	27	23	20	16.2		10	0.980	146	97	73	58	49	42	36	29
	20	0.774	115	77	57	46	38	33	29	23		20	1.39	206	138	103	83	69	59	52	41
	30	0.947	141	94	70	56	47	40	35	28		30	1.70	252	168	126	101	84	72	63	50
	40	1.09	162.5	108.3	81.2	65	54.2	46.4	40.6	32.5		40	1.96	291.1	194	145.5	116.4	97.0	83.2	72.8	58.2
4916-95	5	0.404	60	40	30	24	20.0	17.1	15.0	12.0	4916-128	5	0.721	107	71	54	43	36	31	27	21
	10	0.572	85	57	42	34	28	24	21	17.0		10	1.02	151	101	76	61	50	43	38	30
	20	0.808	120	80	60	48	40	34	30	24		20	1.44	214	143	107	86	71	61	53	43
	30	0.990	147	98	74	59	49	42	37	29		30	1.77	263	175	131	105	88	75	66	53
	40	1.14	169.9	113.3	84.9	68	56.6	48.5	42.5	34		40	2.04	302.9	202	151.5	121	101	86.6	75.7	60.6
4916-98	5	0.442	66	44	33	26	22	18.8	16.4	13.1	4916-132	5	0.774	115	77	57	46	38	33	29	23
	10	0.625	93	62	46	37	31	27	23	18.6		10	1.10	163	109	82	65	54	47	41	33
	20	0.884	131	88	66	53	44	38	33	26		20	1.55	230	153	115	92	77	66	58	46
	30	1.08	160	107	80	64	53	46	40	32		30	1.90	282	188	141	113	94	81	71	56
	40	1.25	185.6	123.8	92.8	74.3	61.9	53	46.4	37.1		40	2.20	326.7	217.8	163.4	130.7	108.9	93.3	81.7	65.3
4916-103	5	0.461	68	46	34	27	23	19.6	17.1	13.7	4916-136	5	0.840	125	83	62	50	42	36	31	25
	10	0.653	97	65	48	39	32	28	24	19.4		10	1.19	177	118	88	71	59	50	44	35
	20	0.923	137	91	69	55	46	39	34	27		20	1.68	249	166	125	100	83	71	62	50
	30	1.13	168	112	84	67	56	48	42	34		30	2.06	306	204	153	122	102	87	76	61
	40	1.31	193.9	129.3	97	77.6	64.7	55.4	48.5	38.8		40	2.38	353.4	235.6	176.7	141.4	117.8	101	88.4	70.7



FLOW REGULATORS/ORIFICE SELECTION

SPRAY TIPS

Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing								Orifice Plate Number	Liquid Pressure in PSI	Cap. 1 Nozzle in GPM	Gallons Per Acre - 20" Nozzle Spacing							
			2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph				2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph
4916-140	5	0.894	133	89	66	53	44	38	33	27	4916-172	5	1.36	202	135	101	81	67	58	50	40
	10	1.27	189	126	94	75	63	54	47	38		10	1.92	285	190	143	114	95	81	71	57
	20	1.79	266	177	133	106	89	76	66	53		20	2.71	402	268	201	161	134	115	101	80
	30	2.19	325	217	163	130	108	93	81	65		30	3.32	493	329	247	197	164	141	123	99
	40	2.54	377.2	251.5	188.6	150.9	125.7	107.8	94.3	75.4		40	3.84	570.2	380.2	285.1	228.1	190.1	162.9	142.6	114.1
4916-144	5	0.926	138	92	69	55	46	39	34	28	4916-177	5	1.41	209	140	105	84	70	60	52	42
	10	1.31	195	130	97	78	65	56	49	39		10	2.00	297	198	149	119	99	85	74	59
	20	1.85	275	183	137	110	92	78	69	55		20	2.83	420	280	210	168	140	120	105	84
	30	2.27	337	225	169	135	112	96	84	67		30	3.46	514	343	257	206	171	147	128	103
	40	2.62	389.1	259.4	194.5	155.6	129.7	111.2	97.3	77.8		40	4.00	594	396	297	237.6	198	169.7	148.5	118.8
4916-147	5	0.953	142	94	71	57	47	40	35	28	4916-182	5	1.47	218	146	109	87	73	62	55	44
	10	1.35	200	134	100	80	67	57	50	40		10	2.08	309	206	154	124	103	88	77	62
	20	1.91	284	189	142	113	95	81	71	57		20	2.95	438	292	219	175	146	125	110	88
	30	2.33	346	231	173	138	115	99	87	69		30	3.61	536	357	268	214	179	153	134	107
	40	2.70	401	267.3	200.5	160.4	133.7	114.6	100.2	80.2		40	4.16	617.8	411.8	308.9	247.1	205.9	176.5	154.4	123.6
4916-151	5	1.04	154	103	77	62	51	44	39	31	4916-187	5	1.56	232	154	116	93	77	66	58	46
	10	1.47	218	146	109	87	73	62	55	44		10	2.21	328	219	164	131	109	94	82	66
	20	2.08	309	206	154	124	103	88	77	62		20	3.12	463	309	232	185	154	132	116	93
	30	2.55	379	252	189	151	126	108	95	76		30	3.82	567	378	284	227	189	162	142	113
	40	2.94	436.6	291.1	218.3	174.6	145.5	124.7	109.2	87.3		40	4.42	656.4	437.6	328.2	262.6	218.8	187.5	164.1	131.3
4916-156	5	1.10	163	109	82	65	54	47	41	33	4916-196	5	1.73	257	171	128	103	86	73	64	51
	10	1.55	230	153	115	92	77	66	58	46		10	2.45	364	243	182	146	121	104	91	73
	20	2.20	327	218	163	131	109	93	82	65		20	3.46	514	343	257	206	171	147	128	103
	30	2.69	399	266	200	160	133	114	100	80		30	4.24	630	420	315	252	210	180	157	126
	40	3.10	460.4	306.9	230.2	184.1	153.5	131.5	115.1	92.1		40	4.90	727.7	485.1	363.8	291.1	242.6	207.9	181.9	145.5
4916-161	5	1.15	171	114	85	68	57	49	43	34	4916-205	5	1.88	279	186	140	112	93	80	70	56
	10	1.63	242	161	121	97	81	69	61	48		10	2.65	394	262	197	157	131	112	98	79
	20	2.31	343	229	172	137	114	98	86	69		20	3.75	557	371	278	223	186	159	139	111
	30	2.83	420	280	210	168	140	120	105	84		30	4.59	682	454	341	273	227	195	170	136
	40	3.26	484.1	322.7	242.1	193.6	161.4	138.3	121	96.8		40	5.30	787.1	524.7	393.5	314.8	262.4	224.9	196.8	157.4
4916-166	5	1.21	180	120	90	72	60	51	45	36	4916-218	5	2.11	313	209	157	125	104	90	78	63
	10	1.72	255	170	128	102	85	73	64	51		10	2.98	443	295	221	177	148	126	111	89
	20	2.43	361	241	180	144	120	103	90	72		20	4.21	625	417	313	250	208	179	156	125
	30	2.97	441	294	221	176	147	126	110	88		30	5.16	766	511	383	307	255	219	192	153
	40	3.44	510.8	340.6	255.4	204.3	170.3	146	127.7	102.2		40	5.96	885.1	590	442.5	354	295	252.9	221.3	177
4916-170	5	1.30	193	129	97	77	64	55	48	39	4916-234	5	2.45	364	243	182	146	121	104	91	73
	10	1.84	273	182	137	109	91	78	68	55		10	3.47	515	344	258	206	172	147	129	103
	20	2.61	388	258	194	155	129	111	97	78		20	4.91	729	486	365	292	243	208	182	146
	30	3.19	474	316	237	189	158	135	118	95		30	6.01	892	595	446	357	297	255	223	178
	40	3.68	546.5	364.3	273.2	218.6	182.2	156.1	136.6	109.3		40	6.94	1031	687.1	515.3	412.2	343.5	294.5	257.7	206.1
4916-172	5	2.83	420	280	210	168	140	120	105	84	4916-250	5	2.83	420	280	210	168	140	120	105	84
	10	4.00	594	396	297	238	198	170	149	119		10	4.00	594	396	297	238	198	170	149	119
	20	5.66	841	560	420	336	280	240	210	168		20	5.66	841	560	420	336	280	240	210	168
	30	6.93	1029	686	515	412	343	294	257	206		30	6.93	1029	686	515	412	343	294	257	206
	40	8.00	1188	792	594	475.2	396	339.4	297	237.6		40	8.00	1188	792	594	475.2	396	339.4	297	237.6



QUICK TEEJET NOZZLE BODIES *TeeJet*

SPRAY TIPS

Quick TeeJet Nozzle Body Series for Dry Booms

- Available with either 3, 4 or 5 spray positions for easy change or 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)
- Includes ChemSaver® diaphragm check valve for drip-free shutoff
- Standard EPDM diaphragm with Viton® available as an option
- Durable design mounts body high on boom structure for maximum protection



QJ363C

QJ364C

QJ365C

Single Part No.	Double Part No.	No. of Spray Outlets	Hose ID (in)
QJ363C-500-1-NYB	QJ363C-500-2-NYB	3	1/2
QJ363C-750-1-NYB	QJ363C-750-2-NYB	3	3/4
QJ363C-1000-1-NYB	QJ363C-1000-2-NYB	3	1
QJ364C-500-1-NYB	QJ364C-500-2-NYB	4	1/2
QJ364C-750-1-NYB	QJ364C-750-2-NYB	4	3/4
QJ364C-1000-1-NYB	QJ364C-1000-2-NYB	4	1
QJ365C-500-1-NYB	QJ365C-500-2-NYB	5	1/2
QJ365C-750-1-NYB	QJ365C-750-2-NYB	5	3/4
QJ365C-1000-1-NYB	QJ365C-1000-2-NYB	5	1
QJ353A-500-1-NYB	QJ353A-500-2-NYB	3	1/2
QJ353A-750-1-NYB	QJ353A-750-2-NYB	3	3/4
QJ353A-1000-1-NYB	QJ353A-1000-2-NYB	3	1
QJ355A-500-1-NYB	QJ355A-500-2-NYB	5	1/2
QJ355A-750-1-NYB	QJ355A-750-2-NYB	5	3/4
QJ355A-1000-1-NYB	QJ355A-1000-2-NYB	5	1

For Viton nozzle bodies, add VI to end of part no.

Quick TeeJet Nozzle Body Series with Fertilizer Outlet for Dry Booms

- Single fertilizer nozzle outlet with shutoff cap and either 3, 4 or 5 spray positions for easy change or 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)
- Includes ChemSaver® diaphragm check valve for drip-free shutoff
- 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).



QJ363F

QJ364F

QJ365F

Single Part No.	Double Part No.	No. of Spray Outlets	Hose ID (in)
QJ363F-1000-1-NYB	QJ363F-1000-2-NYB	3+1	1
QJ364F-1000-1-NYB	QJ364F-1000-2-NYB	4+1	1
QJ365F-1000-1-NYB	QJ365F-1000-2-NYB	5+1	1

For Viton nozzle bodies, add VI to end of part no.

Hose Shank Nozzle Bodies

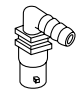
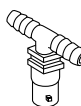
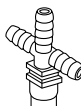
Maximum operating pressure of 125 PSI

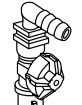
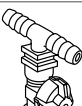

Single Nozzle Bodies with Diaphragm Check Valve & ChemSaver

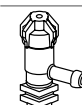
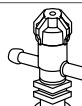
Maximum operating pressure of 125 PSI

Single Nozzle Bodies with Diaphragm Check Valve & ChemSaver

Maximum operating pressure of 300 PSI

QJ100 Series	Hose ID (in)
Single Part No.	
	18635-111-406-NYB 3/8
	18638-111-540-NYB 1/2
	18719-111-785-NYB 3/4
Double Part No.	
	18636-112-406-NYB 3/8
	18639-112-540-NYB 1/2
	18720-112-785-NYB 3/4
Triple Part No.	
	18637-113-406-NYB 3/8
	18640-113-540-NYB 1/2
	18721-113-785-NYB 3/4

QJ200 Series	Hose ID (in)
Single Part No.	
	19349-211-406-NYB 3/8
	19349-211-540-NYB 1/2
	19349-211-785-NYB 3/4
Double Part No.	
	19350-212-406-NYB 3/8
	19350-212-540-NYB 1/2
	19350-212-785-NYB 3/4
Triple Part No.	
	19351-213-406-NYB 3/8
	19351-213-540-NYB 1/2
	19351-213-785-NYB 3/4

QJ300 Series	Hose ID (in)
Single Part No.	
	22251-311-375-NYB 3/8
	22251-311-500-NYB 1/2
	22251-311-750-NYB 3/4
Double Part No.	
	22252-312-375-NYB 3/8
	22252-312-500-NYB 1/2
	22252-312-750-NYB 3/4

QJ300 Series is also available in polypropylene. Maximum operating pressure is 150 PSI



Quick TeeJet Single Nozzle Body Adapters with Chem Saver

- 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
- Maximum operating pressure of 300 PSI (20 bar)



Part No.	To Fit
QJ8355-1/8-NYB	1/8 in (F)
QJ8355-1/4-NYB	1/4 (F)
QJT8360-NYB	Adapter for bodies using CP1325 Cap
QJ8360-NYB	1/4 male thread
QJT8360-NYB	11/16 -16 TeeJet thread
QJP19011-NYB	3/8 BSPT thread

Quick TeeJet Nozzle Body Adapters

- Maximum operating pressure of 300 PSI



Part No.	To Fit (in)
QJ90-2-NYR	Duo Nozzle Adapter with EPDM Gasket
QJ90-1-NYR	90° Adapter with EPDM Gasket
QJ1/4TT-NYB	1/4" male thread
QJ1/4T-NYB	1/4" female thread
QJT-NYB	1/16"-16 TeeJet thread
22674-1/4-NYB	45° Nozzle Body Adapter
55240-CELR	Hardi Adapter with EPDM Gasket

Quick TeeJet Swivels

- Max operating pressure of 125 PSI



Part No.	Description
QJ8600-1/4-NYB	Single Swivel
QJ8600-2-1/4-NYB	Double Swivel

Quick TeeJet Vari-Spacing Clamps

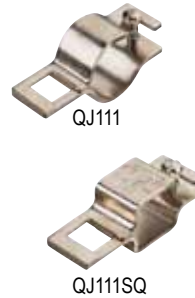


Plate Steel Part No.	To Fit (in)
QJ111-1/2	1/2 Pipe
QJ111-3/4	3/4 Pipe
QJ111-1	1 Pipe
QJ111-1-1/4	1 1/4 Pipe
QJ111SQ-3/4*	3/4 Square Tubing
QJ111SQ-1*	1 Square Tubing
QJ111SQ-1-1/4*	1 1/4 Square Tubing
QJ111SQ-1-1/2*	1 1/2 Square Tubing

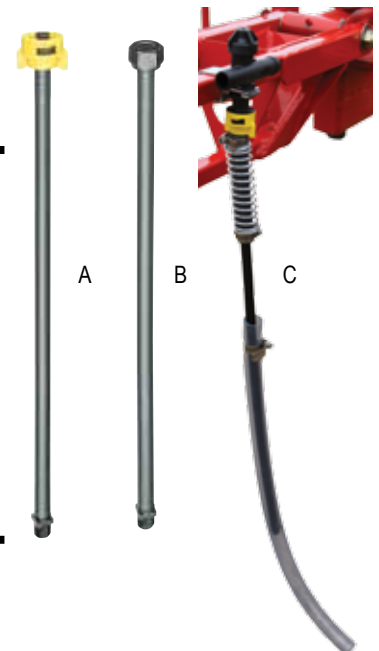
* Available in Stainless Steel. Add -304SS to end of Part No.

TeeJet Hose Drop Features

- Hose drops connect to standard, Quick TeeJet nozzle bodies, and swivels
- QJ1/4T-NYB can be attached to hose drops with Quick TeeJet caps
- Maximum operating pressure of 125 PSI



Ref No.	TeeJet Hose Drop Part No.	Length (in)	Inlet Connection	Outlet Connection	Material
A	21353-6-15-NYB	15	Quick TeeJet Type	1/4" NPT (M)	Nylon with Quick TeeJet cap & EPDM gasket
	21353-6-24-NYB	24			
B	21354-15-NYB	15	1 1/16"-16 TeeJet Thread		Nylon
	21354-24-NYB	24			
	NCI Hose Drop Part No.	Length (in)	Inlet Connection	Outlet Connection	Material
C	580P	24	Quick Connect TeeJet Type	None	Nylon and Clear Tubing PVC



Swivel Nozzle Bodies

- Primarily for use with tips employed in row crop spraying
- 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)
- Swivels do not include tips, strainers or caps



Part No.	Inlet Connection	Material	Swivel Count	Swivel Arc Range
5000-1/4T	1/4" NPT (F)	Brass	Single	280°
5540-1/4TT	1/4" NPT (M)	Brass	Single	280°
5932-2-1/4T	1/4" NPT (F)	Brass	Double	280°
6240-1/4TT	1/4" NPT (M)	Brass	Double	280°
8600-2-1/4T-NYB	1/4" NPT (F)	Nylon	Double	280°

TeeJet OutLet Adapters & Fittings

- 4676: fits outlets of TeeJet nozzle bodies as well as various GunJet spray guns and shut off valves
- CP6259 & 6406: fittings replace spray tips and are used for attaching drop pipes to nozzle bodies or adding extensions to AA23 and AA31 GunJet spray guns

Part No.	Description
4676-1/8, -1/4, -3/8, -3/4	Brass Adapter, NPT (F)
4676-ENP-1/8, 1/4, 3/8	Brass, Nickle Plated Adapter, NPT (F)
4676-NYB-1/8, 1/4	Nylon Adapter, NPT (F)
4676-SS-1/8, -1/4, -3/8, -1/2, -3/4	Stainless Steel Adapter, NPT (F)
CP6250	Brass Adapter, 9/16 in Long, 1/8 in NPT (F)
CP6250-I	Steel Adapter, 9/16 in Long, 1/8 in NPT (F)
6406	Brass Adapter, 15/16 in Long, 1/8 NPT (M)
6406-I	Steel Adapter, 15/16 in Long, 1/8 NPT (M)

Hose Shank Nozzle Bodies

- Single or double hose connection
- For Operating Pressures up to 125 PSI
- Brass, stainless steel, Nylon and Celcon/ stainless steel hose shank nozzle bodies
- Features 11/16 in -16 TeeJet threaded outlet



15427
12670



6471B
8121-NYB
9191B
12201-CE



6472B
8120-NYB
9192B
12202-CE

Single Hose Shank Assy Part No.	To Fit Hose Id (in)	Material	Double Hose Shank Assy Part No.	To Fit Hose Id (in)	Material
15427-1-296	1/4	Brass	6472B-400TD	3/8	Brass
12670-406TD	3/8	Nylon	6472-SS-C400TD	3/8	Stainless Steel
6471B-400TD	3/8	Brass	8120-NYB-406TD	3/8	Nylon
6471-SS-C400TD	3/8	Stainless Steel	8120-NYB-540TD	1/2	Nylon
8121-NYB-406TD	3/8	Nylon	9192B-531TD	1/2	Brass
8121-NYB-540TD	1/2	Nylon	9192-SS-C531TD	1/2	Stainless Steel
9191B-531TD	1/2	Brass	12202-CE-785TD	3/4	Celcon Hose Shank/ Stainless Steel Threaded Outlet
9191-SS-C531TD	1/2	Stainless Steel	12202-CE-1062TD	1	
12201-CE-785TD	3/4	Celcon Hose Shank/ Stainless Steel Threaded Outlet			
12201-CE-1062TD	1				



TeeJet Nozzle Bodies with ChemSaver Diaphragm Check Valves

- Features ChemSaver no-drip shutoff
- Diaphragm check valve design eliminates the pressure drop associated with ball-type check valves
- Maximum operating pressure of 125 PSI



Part No.	To Fit NPT (in)	Material	PSI Check Valve Opens	Flow Rate	Length (in)
4664B	1/8 (F)	Brass	7	2.0 GPM at 5 PSI	2 5/16
4666B	1/8 (F)	Brass	7	2.0 GPM at 5 PSI	1 15/16
6135A-1/4, -3/8	1/4, 3/8 (F)	Brass	7	4.5 GPM at 5 PSI	2 5/8
6140A-1/4, -3/8	1/4, 3/8 (F)	Brass	7	4.5 GPM at 5 PSI	2 3/8
8355-1/8-NYB	1/8 (F)	Nylon	10	3 GPM at 5 PSI	2 3/4
8355-1/4-NYB	1/4 (F)	Nylon	10	3.9 GPM at 5 PSI	2 3/4
8360-NYB	1/4 (M)	Nylon	10	2.25 GPM at 5 PSI	2
13430-1-NYB		Nylon			
13430-2-NYB		Nylon			
13430-3-NYB		Nylon			
13431-NYB		Nylon			
10742A	1/4 (M & F)	Brass	7	2.25 GPM at 5 PSI	2 1/2

QJ39685 Series Quick TeeJet Nozzle Body

- Use with Quick TeeJet caps.
- Hose shanks available in double or single (left or right) for 1/2" hose I.D.
- TeeJet ChemSaver drip-free shutoff.
- Made of corrosion-resistant materials.
- Maximum operating pressure of 300 PSI (20 bar).
- QJ39684 uses Nylon nut instead of brass nut.
- Support is normally supplied by the customer. TeeJet vari-spacing clamps AA111-* can be used.



Part No.			No. of Spray Outlets	Hose ID (in)
Single Left	Double	Single Right		
QJ39685-1L-500-NYB	QJ39685-2-500-NYB	QJ39685-1R-500-NYB	1	1/2

Triple Nozzle Body for Dry Boom

- 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).



Single Part No	Double Part No.	Triple Part No.	Hose ID (in)
24230A-1-540-NYB	24230A-2-540-NYB	24230A-3-540-NYB	1/2
24230A-1-785-NYB	24230A-2-785-NYB	24230A-3-785-NYB	3/4

Standard Parts

TeeJet Spray Nozzle



=



Type T or TT nozzle body

5053 Strainer

Optional Tip Gasket CP5871-BU

Spray Tip

CP1325 TeeJet Cap

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.



Body Part No.	Material
CP1325	Brass
CP8027-NYB	Nylon
CP8027-1-NYB	Nylon (extra long)
CP1325-AL	Aluminum
CP1325-I	Steel
CP1325-SS	Stainless Steel
CP18032A-NYB	Winged Cap, Nylon

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.



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.



TeeJet Nozzle Bodies



Type-TT Male Inlet NPT or BSPT Connection

Body Part No.	For TeeJet Nozzle Type	Male Size (in)	Material
CP1336	1/8TT	1/8	Brass
CP1322	1/4TT	1/4	Brass
CP8028-NYB	1/4TT-NYB	1/4	Nylon
CP1322-I	1/4TT-I	1/4	Steel
CP1322-SS	1/4TT-SS	1/4	Stainless Steel
CP1324	3/8TT	3/8	Brass
CP1340	1/2TT	1/2	Brass



Type-T Female Inlet NPT or BSPT Connection

Body Part No.	For TeeJet Nozzle Type	Female Size (in)	Material
CP1335	1/8T	1/8	Brass
CP1321	1/4T	1/4	Brass
CP12094-NYB	1/4T-NYB	1/4	Nylon
CP1321-I	1/4T-I	1/4	Steel
CP1321-SS	1/4T-SS	1/4	Stainless Steel
CP1323	3/8T	3/8	Brass
CP1339	1/2T	1/2	Brass

Clamp Assemblies

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



Round

Part No.	To Clamp On
AA111-1/2	1/2" Pipe (13/16" & 7/8" OD Tubings)
AA111-3/4	3/4" Pipe (1" & 1 1/16" OD Tubings)
AA111-1	1" Pipe (1 1/8", 1 1/4" & 1 3/8" OD Tubings)
AA111-1-1/4	1 1/4" Pipe (1 9/16" 1 11/16" OD Tubings)



Square

Part No.	To Clamp On
AA111SQ-1	1" Square Tubing
AA111SQ-1-1/4	1 1/4" Square Tubing
AA111SQ-1-1/2	1 1/2" Square Tubing



Split Eyelet Nozzle Bodies for Wet Booms

- Mounting on 1/2", 3/4" 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



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



7421
Operating pressures
up to 250 PSI
(17 bar)

Split Eyelet Assy No.	Material	To Clamp On	Split Eyelet Assy No.	Body Material	To Clamp On
25775-1/2T-NYB 25888-1/2-NYB	Nylon	1/2" Pipe	7421-1/2T	Brass	1/2" Pipe
		13/16" O.D. Tubing	7421-1/2T-SS	Stainless	13/16" O.D. Tubing
25775-3/4T-NYB 25888-3/4-NYB	Nylon	3/4" Pipe	7421-1/2T-NYB	Nylon	7/8" O.D. Tubing
		1" O.D. Tubing	7421-3/4T	Brass	3/4" Pipe
25775-1T-NYB 25888-1-NYB	Nylon	11/16" O.D. Tubing	7421-3/4T-SS	Stainless	1" O.D. Tubing
		1" Pipe	7421-3/4T-NYB	Nylon	1 1/16" O.D. Tubing
		1 1/4" O.D. Tubing	7421-1T	Brass	1" Pipe
		1 3/8" O.D. Tubing	7421-1T-SS	Stainless	1 1/4" O.D. Tubing
			7421-1T-NYB	Nylon	13/89 O.D. Tubing

Type QJ17560A-NYB

- 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).
- 1/2" and 3/4" sizes include a mounting hole in upper clamp subassembly for mounting to flat surfaces.



Part No.	To Clamp On
QJ17560A-20mm-NYB	20mm tubing
QJ17560A-25mm-NYB	25mm tubing
QJ17560A-1/2-NYB	1/2" pipe
QJ17560A-3/4-NYB	3/4" pipe
QJ17560A-1-NYB	1" pipe

Type QJ7421-NYB

- Mounts to a 3/8" (9.5 mm) hole drilled in pipe or tubing.
- Maximum operating pressure of 300 PSI (20 bar).
- 1/2" and 3/4" sizes include a mounting hole in upper clamp subassembly for mounting to flat surfaces.



Part No.	To Clamp On
QJ7421-1/2-NYB	1/2" pipe
QJ7421-3/4-NYB	3/4" pipe
QJ7421-1-NYB	1" pipe

Type QJ22187-NYB

- 1/2" and 3/4" sizes include a mounting hole in clamp sub-assembly 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).
- 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)
- 1/2" and 3/4" sizes include mounting hole in upper clamp subassembly for attachment to flat surfaces
- Mounts to a 3/8" (9.5 mm) hole drilled in pipe or tubing



Part No.	To Clamp On
QJ22187-1/2-NYB	1/2" pipe
QJ22187-3/4-NYB	3/4" pipe
QJ22187-1-NYB	1" pipe



Part No.	To Clamp On
24216A-20mm-NYB	20 mm tubing
24216A-1/2-NYB	1/2" pipe
24216A-3/4-NYB	3/4" pipe
24216A-1-NYB	1" pipe

Gun Jet AA23L

- Flow rates up to 5 GPM
- Maximum operating pressure of 250 PSI
- Inlet 1/4" NPS (M) thread
- Strong aluminum alloy body

Gun Jet AA30L

- Flow rates up to 5 GPM
- Maximum operating pressure of 250 PSI
- Outlet connection is 11/16"-16 TeeJet® thread
- Body and trigger molded of tough Nylon

Gun Jet AA30L-PP

- Flow rates up to 5 GPM
- Maximum operating pressure of 150 PSI
- Outlet connection is 11/16"-16 TeeJet® thread
- Body and trigger molded of tough Nylon



GunJet Part No.	Description
AA23L	Gun Without Extension
AA23L767618	Gun with 18" Extension
AA30L-1/4	Gun Without Extension
AA30L22425-18	Gun with 18" Extension
AA30L-PP	Gun without Extension

Valves - Choose One

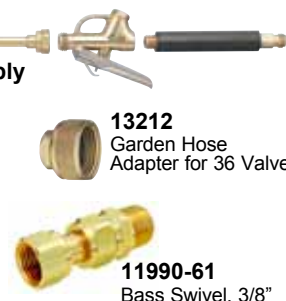


4688 Trigger Valve with Trigger Lock. Max. flow rate 2 GPM, max. pressure of 250 PSI. 1/4" NPT (F) inlet connection, 11/16" -16 (M) outlet connection. Use with TeeJet and ConeJet® tips, adjustable ConeJet tips or MulteeJet® tips. Brass material.

6466 Trigger Valve, same as 4688, less trigger lock, with extra long trigger. Brass material.

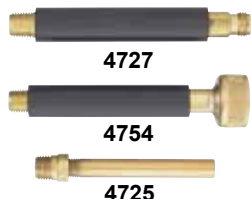
6590 Trigger Valve, same as 6104, less trigger lock, with extra long trigger. Brass material.

Typical Shutoff Valve Assembly



Valve Handles

Choice of valve handles—for above valves



Outlet connections are 1/4" NPT (M) to fit 1/4" NPT (F) inlets of all valves shown. Choice of types for every need.

(B)4727 Sure Grip Handle, brass, rubber-covered, 1/4" NPS (M) or BSPT hose inlet connection.

4754 Sure Grip Handle, brass, rubber-covered, 3/4" garden hose thread (F) inlet connection.

4725 Handle, made of 1/8" brass pipe with bushing. Slip hose over pipe to form handle.

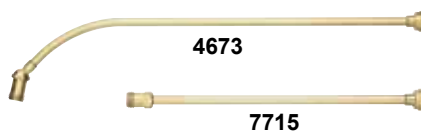
Extensions for Valves and Spray Guns



High-Pressure Curved Extensions

9527—for pressures to 1,000 PSI. Fits models 23H and 31GunJet spray guns. For Pressures up to 1,000 PSI

Extension type and number	Extension length
9527-8	8"
9527-18	18"
9527-24	24"
9527-36	36"
9527-48	48"



Straight and Curved Extensions

4673 and 6671—for pressures to 125 PSI. 7715—for pressures to 250 PSI. Fits models 23L and 31 GunJet® spray guns and trigger valves.



TriggerJet® Extension

22665-PP is for use with 22650-PP TriggerJet spray gun. Maximum pressure rating of 150 PSI (10 bar). Includes straight and 45° adapters. Available in 159 and 249 (38 and 61 cm) lengths.

Straight; Fixed Body	Curved; Swivel Body	Curved; Fixed Body	Extension Length
7715-8	4673-8	6671-8	8"
7715-18	4673-18	6671-18	18"
7715-24	4673-24	6671-24	24"
7715-30	4673-30	6671-30	30"
7715-36	4673-36	6671-36	36"
7715-48	4673-48	6671-48	48"

How to order:

Specify model number.

Example: 22670-PP-15-1/4



TriggerJet Model 22670

- Maximum pressure rating is 150 PSI
- Trigger lock permits locking gun in an open position for continuous flow (optional)
- 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

TriggerJet Model No.	Extension Length (in)	Inlet Connection (in)	Tip Number
22670-PP-15-1/4	15	1/4 (F)	38720-PPB-X8 (Standard nozzle shipped with TriggerJet)
22670-PP-15-300	15	1/4 hose shank	
22670-PP-15-406	15	3/8 hose shank	
22670-PP-24-1/4	24	1/4 (F)	
22670-PP-24-300	24	1/4 hose shank	
22670-PP-24-406	24	3/8 hose shank	



Threaded Connection

Lawn Spray Guns Model 25660

- 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
- Maximum operating pressure of 200 PSI
- Made of Nylon with Viton® O-rings and stainless steel springs



Spray Gun Model No.	Nozzle Tip No.	Capacity (GPM) at Various Pressures							
		2 PSI	4 PSI	6 PSI	8 PSI	10 PSI	15 PSI	20 PSI	
25660-1.5	CP25670-1.5-NY	1.4	1.9	2.3	2.6	2.9	3.4	4.0	
25660-3.0	CP25670-3.0-NYB	2.0	2.7	3.2	3.6	4.1	4.9	5.6	
25660-4.0	CP25670-4.0-NY	2.3	3.1	3.7	4.3	4.7	5.6	6.4	

Accessories	
Part No.	Description
25990	Swivel
22665	Extension wand max 100 psi
25657-NYB	Adapter needed for wand or standard TeeJet Nozzle
CP22673-PP	45° adapter for TeeJet tip or ConeJet Nozzle
CP22664-PP	Straight Adapter for tip

*Pressure measured at spray nozzle

Gun Jet 43H

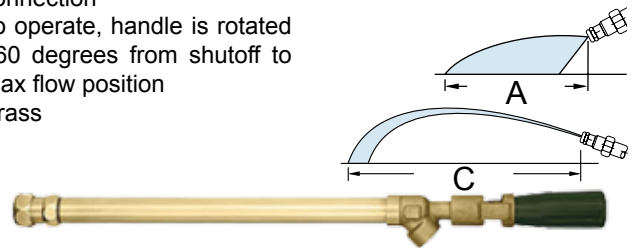
- Designed and built for heavy duty service
- Stem extends through extension to valve seat located directly behind orifice disc for drip-free shutoff and instant operating response
- Trigger handle control of spray pattern
- Spraying tall trees and other applications where max spray throw is required: order hardened stainless steel tip DX-HSS
- All models have 1/2" NPT (F) inlet connections



Model No.	Operating Pressure Range (PSI)	Material	Length (in)	Orifice Disc
AA43HC-1/2	200-800	Brass	8	1/2 npt
AA43H-AL6	200-800	Aluminum	22	6
AA43-H-6	200-800	Brass	22	6

Gun Jet AA2

- Spot, tree, livestock, & power washing at pressure 30-800 PSI
- Overall length 24", weight 3.5 lb, brass 3/4"(F) inlet connection
- To operate, handle is rotated 360 degrees from shutoff to max flow position
- Brass
- Spray tips are interchangeable orifice disc made of corrosion and erosion resistant stainless steel



Model No.	Orifice Disc Number	Performance (ft)	100 PSI		800 PSI	
			A	C	A	C
AA2-20	AY-SS20	Cap - GPM	.53	.90	1.5	2.5
		Max Vert Throw	-	25	-	33
		Max Horz Throw	6	35	8	42
AA2-30	AY-SS30	Cap - GPM	.79	1.4	2.2	4.0
		Max Vert Throw	-	27	-	34
		Max Horz Throw	7	38	9	45

How to order:

Specify model number.
Example: AA30L-1/4



SPRAY GUN TIPS



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 NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI									
		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
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
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
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
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

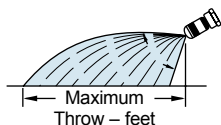
5500

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.



ADJUSTABLE CONEJET TIP NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI											
		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
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
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
5500-X3	Capacity – GPM	.037	.13	.045	.17	.05	.19	.058	.23	.073	.30	.088	.37
5500-PPB-X3	Spray Angle	57°	—	68°	—	72°	—	76°	—	80°	—	82°	—
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
5500-X5	Capacity – GPM	.061	.21	.076	.26	.082	.30	.10	.37	.13	.48	.15	.58
5500-PPB-X5	Spray Angle	61°	—	70°	—	74°	—	77°	—	80°	—	81°	—
5500-X6	Capacity – GPM	.073	.26	.087	.32	.10	.37	.12	.45	.15	.58	.19	.71
	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
5500-X8	Capacity – GPM	.097	.33	.12	.40	.13	.47	.16	.57	.21	.74	.25	.90
5500-PPB-X8	Spray Angle	66°	—	71°	—	74°	—	77°	—	80°	—	80°	—
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
5500-X12	Capacity – GPM	.15	.49	.18	.60	.20	.69	.24	.84	.31	1.1	.38	1.3
5500-PPB-X12	Spray Angle	69°	—	73°	—	76°	—	78°	—	80°	—	80°	—
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
5500-X18	Capacity – GPM	.21	.69	.26	.84	.30	.97	.37	1.2	.47	1.5	.58	1.9
5500-PPB-X18	Spray Angle	71°	—	75°	—	77°	—	78°	—	80°	—	79°	—
5500-X22	Capacity – GPM	.26	.83	.32	1.0	.37	1.2	.45	1.4	.58	1.9	.70	2.3
	Spray Angle	71°	—	75°	—	78°	—	79°	—	80°	—	78°	—
	Max. Throw – Ft.	4	39	4.5	41	5	42	5	42	5	42	5	42
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

Tip Setting "A"
Cone Spray Pattern



Tip Setting "B"
Straight Stream Spray Pattern



Above data is based on spraying water from a height of about 21/2 feet with tip tilted about as shown at left for each setting.



PRESSURE GAUGES

SPRAY TIPS



Dry Pressure Gauge

NCI Part No.	Size
GA-SG600	60 PSI Aluminum Gauge, Brass Stem
GA-SG100	100 PSI Aluminum Gauge, Brass Stem
GA-SG160	160 PSI Aluminum Gauge, Brass Stem
GA-SG200	200 PSI Aluminum Gauge



Plastic Case

Liquid Filled Pressure Gauges

Plastic Gauge Case

NCI Part No.	Size
GA-ABS100	100 PSI Plastic Case Gauge
GA-ABS160	160 PSI Plastic Case Gauge
GA-ABS200	200 PSI Plastic Case Gauge
GA-ABS300	300 PSI Plastic Case Gauge

Stainless Gauge Case, Brass Stem

NCI Part No.	Size
GA-GG30	30 PSI Stainless Gauge Case, Brass Stem
GA-GG60	60 PSI Stainless Gauge Case, Brass Stem
GA-GG100	100 PSI Stainless Gauge Case, Brass Stem
GA-GG300	300 PSI Stainless Gauge Case, Brass Stem
GA-GG600	600 PSI Stainless Gauge Case, Brass Stem
GA-GG1000	1000 PSI Stainless Gauge Case, Brass Stem
GA-GG3000	3000 PSI Stainless Gauge Case, Brass Stem
GA-GG5000	5000 PSI Stainless Gauge Case, Brass Stem

Stainless Gauge Case, Stainless Stem

GA-WGSS60	60 PSI Stainless Gauge Case, Stainless Stem
GA-WGSS100	100 PSI Stainless Gauge Case, Stainless Stem
GA-WGSS160	160 PSI Stainless Gauge Case, Stainless Stem
GA-PDSS2P015A0010	200 PSI Stainless, 4 Inch, Stainless Stem, 1/4" Fitting



Stainless Case

Ammonia Pressure Gauge

NCI Part No.	Size
GA-ASG160	Ammonia Gauge

Note: Brass stems/gauges are not recommended for liquid nitrogen use.

