

# XP BoomJet® Boomless Flat Spray Nozzles



## Typical Applications:

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

## Features:

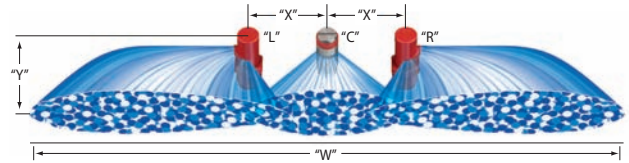
- Unique orifice geometry produces a wide spray pattern while maintaining superior distribution across entire width.
- Pre-orifice design minimizes drift.
- Extra wide spray pattern—up to 18.5' (5.5 meters)—using a single nozzle.
- Removable polymer pre-orifice.
- Acetal construction for excellent chemical resistance.

- Recommended spray pressure range: 20–60 PSI (1.5–4 bar).
- NPT or BSPT (male) threads for easy installation.
- Color-coding for easy capacity identification.

**Mounting Note:** Position tip horizontal to ground with spray pattern down and to the side.

## How to order:

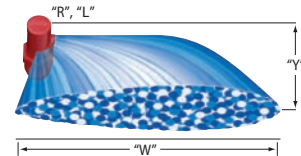
Specify part number. Example:  
(B)1/2XP80L(R)-VP – VisiFlo® Polymer Left Boom Spray



CENTER NOZZLE "C"	"R", "L"	bar	DROP SIZE	CAPACITY THREE NOZZLES IN l/min	I/ha FOR THREE NOZZLES													
					SPRAY WIDTH "W" (meters)		NOZZLE SPACING "X" = 50 cm											
					60 cm HEIGHT	90 cm HEIGHT	HEIGHT "Y" = 60 cm						HEIGHT "Y" = 90 cm					
							4 km/h	8 km/h	12 km/h	16 km/h	24 km/h	32 km/h	4 km/h	8 km/h	12 km/h	16 km/h	24 km/h	32 km/h
(B)1/4XP10R (B)1/4XP10L	1/4TTJ08	1.5	XC	7.85	6.2	7.0	190	95.0	63.3	47.5	31.7	23.7	168	84.1	56.1	42.1	28.0	21.0
		2.0	XC	9.04	7.0	7.8	194	96.9	64.6	48.4	32.3	24.2	174	86.9	57.9	43.5	29.0	21.7
		3.0	XC	11.1	7.8	8.6	213	107	71.2	53.4	35.6	26.7	194	96.8	64.5	48.4	32.3	24.2
		3.5	XC	11.9	8.6	9.2	208	104	69.2	51.9	34.6	25.9	194	97.0	64.7	48.5	32.3	24.3
(B)1/4XP20R (B)1/4XP20L	1/4TTJ08	1.5	XC	13.4	6.4	7.8	314	157	105	78.5	52.3	39.3	258	129	85.9	64.4	42.9	32.2
		2.0	XC	15.4	8.0	8.4	289	144	96.3	72.2	48.1	36.1	275	138	91.7	68.8	45.8	34.4
		3.0	XC	18.9	9.2	9.6	308	154	103	77.0	51.4	38.5	295	148	98.4	73.8	49.2	36.9
		3.5	XC	20.5	9.8	10.2	314	157	105	78.4	52.3	39.2	301	151	100	75.4	50.2	37.7
(B)1/4XP25R (B)1/4XP25L	1/4TTJ10	1.5	XC	16.5	7.4	7.8	334	167	111	83.6	55.7	41.8	317	159	106	79.3	52.9	39.7
		2.0	XC	19.1	8.4	9.2	341	171	114	85.3	56.8	42.6	311	156	104	77.9	51.9	38.9
		3.0	XC	23.5	9.2	9.8	383	192	128	95.8	63.9	47.9	360	180	120	89.9	59.9	45.0
		3.5	XC	25.3	9.8	10.2	387	194	129	96.8	64.5	48.4	372	186	124	93.0	62.0	46.5
(B)1/2XP40R (B)1/2XP40L	1/4TTJ15	1.5	XC	26.6	7.8	8.4	512	256	171	128	85.3	63.9	475	238	158	119	79.2	59.4
		2.0	XC	31.0	9.0	9.8	517	258	172	129	86.1	64.6	474	237	158	119	79.1	59.3
		3.0	XC	37.7	9.6	10.4	589	295	196	147	98.2	73.6	544	272	181	136	90.6	68.0
		3.5	XC	40.4	10.2	10.8	594	297	198	149	99.0	74.3	561	281	187	140	93.5	70.1
		4.0	XC	43.6	10.8	11.6	606	303	202	151	101	75.7	564	282	188	141	94.0	70.5

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 136–157 for drop size classification, useful formulas and other information.  
For lower chart only, application rates are identical for a two-tip setup. Swath width and flow capacity will be doubled for a two-tip setup.

(B)=BSPT



CENTER NOZZLE "C"	"R", "L"	bar	DROP SIZE	CAPACITY ONE NOZZLE IN l/min	SPRAY WIDTH "W" (meters)		I/ha FOR SINGLE NOZZLE																			
					60 cm HEIGHT	90 cm HEIGHT	HEIGHT "Y" = 60 cm										HEIGHT "Y" = 90 cm									
							4 km/h	6 km/h	8 km/h	10 km/h	12 km/h	16 km/h	20 km/h	25 km/h	30 km/h	35 km/h	4 km/h	6 km/h	8 km/h	10 km/h	12 km/h	16 km/h	20 km/h	25 km/h	30 km/h	35 km/h
(B)1/4XP10R (B)1/4XP10L		1.5	UC	2.81	2.6	3.0	162	108	81.1	64.8	54.0	40.5	32.4	25.9	21.6	18.5	141	93.7	70.3	56.2	46.8	35.1	28.1	22.5	18.7	16.1
		2.0	UC	3.23	3.0	3.4	162	108	80.8	64.6	53.8	40.4	32.3	25.8	21.5	18.5	143	95.0	71.3	57.0	47.5	35.6	28.5	22.8	19.0	16.3
		3.0	UC	3.95	3.4	3.8	174	116	87.1	69.7	58.1	43.6	34.9	27.9	23.2	19.9	156	104	78.0	62.4	52.0	39.0	31.2	24.9	20.8	17.8
		3.5	UC	4.26	3.8	4.1	168	112	84.1	67.3	56.1	42.0	33.6	26.9	22.4	19.2	156	104	77.9	62.3	52.0	39.0	31.2	24.9	20.8	17.8
(B)1/4XP20R (B)1/4XP20L		1.5	UC	5.56	2.7	3.4	309	206	154	124	103	77.2	61.8	49.4	41.2	35.3	245	164	123	98.1	81.8	61.3	49.1	39.2	32.7	28.0
		2.0	UC	6.43	3.5	3.7	276	184	138	110	91.9	68.9	55.1	44.1	36.7	31.5	261	174	130	104	86.9	65.2	52.1	41.7	34.8	29.8
		3.0	UC	7.87	4.1	4.3	288	192	144	115	96.0	72.0	57.6	46.1	38.4	32.9	275	183	137	110	91.5	68.6	54.9	43.9	36.6	31.4
		3.5	UC	8.52	4.4	4.6	290	194	145	116	96.8	72.6	58.1	46.5	38.7	33.2	278	185	139	111	92.6	69.5	55.6	44.5	37.0	31.8
(B)1/4XP25R (B)1/4XP25L		1.5	UC	9.12	4.6	4.9	297	198	149	119	99.1	74.3	59.5	47.6	39.7	34.0	279	186	140	112	93.1	69.8	55.8	44.7	37.2	31.9
		2.0	UC	6.85	3.2	3.4	321	214	161	128	107	80.3	64.2	51.4	42.8	36.7	302	201	151	121	101	75.6	60.4	48.4	40.3	34.5
		3.0	UC	7.95	3.7	4.1	322	215	161	129	107	80.6	64.5	51.6	43.0	36.8	291	194	145	116	97.0	72.7	58.2	46.5	38.8	33.2
		3.5	UC	10.5	4.4	4.6	358	239	179	143	119	89.5	71.6	57.3	47.7	40.9	342	228	171	137	114	85.6	68.5	54.8	45.7	39.1
(B)1/2XP40R (B)1/2XP40L		1.5	UC	11.2	3.4	3.7	494	329	247	198	166	124	98.8	79.1	65.9	56.5	454	303	227	182	151	114	90.8	72.6	60.5	51.9
		2.0	UC	13.1	4.0	4.4	491	328	246	197	164	123	98.3	78.6	65.5	56.1	447	298	223	179	149	112	89.3	71.5	59.5	51.0
		3.0	UC	15.9	4.3	4.7	555	370	277	222	185	139	111	88.7	74.0	63.4	507	338	254	203	169	127	101	81.2	67.7	58.0
		3.5	UC	17.0	4.6	4.9	554	370	277	222	185	139	111	88.7	73.9	63.4	520	347	260	208	173	130	104	83.3	69.4	59.5
(B)1/2XP80R (B)1/2XP80L		1.5	UC	18.4	4.9	5.3	563	376	282	225	188	141	113	90.1	75.1	64.4	521	347	260	208	174	130	104	83.3	69.4	59.5
		2.0	UC	22.1	4.0	4.7	829	553	414	332	276	207	166	133	111	94.7	705	470	353	282	235	176	141	113	94.0	80.6
		3.0	UC	31.1	4.9	5.3	952	635	476	381	317	238	190	152	127	109	880	587	440	352	293	220	176	141	117	101
		4.0	UC	33.2	5.0	5.5	996	664	498	398	332	249	199	159	133	114	905	604	453	362	302	226	181	145	121	103
		4.0	UC	35.8	5.3	5.6	1013	675	507	405	338	253	203	162	135	116	959	639	479	384	320	240	192	153	128	110



# BoomJet® Boomless Nozzles with Extra-Wide Flat Spray Projection

5430-3/4 NPT



5880-3/4 NPT Female  
Back inlet connection.

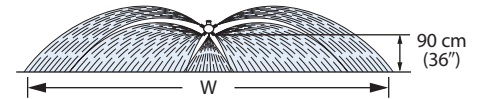


The 5430 and 5880 BoomJet nozzles are used for spraying areas not easily accessed with a boom sprayer. They combine two off-center tips and three VeeJet® nozzles to produce a wide swath flat spray. While not as uniform as a boom sprayer, the BoomJet provides good distribution.\* The 5880 features a 1/4"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

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

### How to order:

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



W = Maximum effective coverage with nozzle mounted at 1 m height.

Nozzle	Mesh (2)	Strainer (2)	Strainer (1)	Clock	l/min	"W" (meters)	l/ha					
							6 km/h	8 km/h	12 km/h	16 km/h	24 km/h	
5430-3/4-2TOC06 5880-3/4-2TOC06	6733-OC06	H1/4VV-1506	H1/4VVL-9502 with 50 mesh strainer	Clock	1.5	7.26	10.2	71.2	53.4	35.6	26.7	17.8
					2.0	8.38	10.3	81.4	61.0	40.7	30.5	20.3
					2.5	9.37	10.5	89.2	66.9	44.6	33.5	22.3
5430-3/4-2TOC10 5880-3/4-2TOC10	OC-10	H1/4U-0508HE	H1/4VVL-11004 with 50 mesh strainer	Clock	1.5	11.16	12.0	93.0	69.8	46.5	34.9	23.3
					2.0	12.89	12.1	107	79.9	53.3	39.9	26.6
					2.5	14.41	12.3	117	87.9	58.6	43.9	29.3
5430-3/4-2TOC20 5880-3/4-2TOC20	OC-20	H1/4U-0520HE	H1/4VVL-9506 with 50 mesh strainer	Clock	1.5	24.00	14.3	168	126	83.9	62.9	42.0
					2.0	27.72	15.2	182	137	91.2	68.4	45.6
					2.5	30.99	15.8	196	147	98.1	73.6	49.0
5430-3/4-2TOC40 5880-3/4-2TOC40	OC-40	H1/4U-0540HE	H1/4U-9510	Clock	1.5	47.44	17.1	277	208	139	104	69.4
					2.0	54.78	18.2	301	226	150	113	75.2
					2.5	61.25	19.2	319	239	160	120	79.8

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 136-157 for useful formulas and other information.



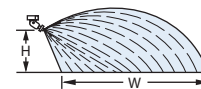
# TeeJet® Swivel Spray Nozzles with Off-Center Flat Spray Tips — Larger Capacities

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

### How to order:

Specify swivel number and material.  
Example: 4629-3/4-TOC10 Brass

### Extra Wide Flat Spray Coverage



W = Maximum effective coverage with nozzle mounted at 1 m height.



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

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



Nozzle	Clock	l/min	"W" (meters)	HEIGHT = 90 cm		
				l/ha		
				8 km/h	16 km/h	24 km/h
4629-3/4-TOC10	2.0	3.23	5.4	44.9	22.4	15.0
	3.0	3.95	5.6	52.9	26.5	17.6
	4.0	4.56	5.6	61.1	30.5	20.4
4629-3/4-TOC20	2.0	6.45	7.1	68.1	34.1	22.7
	3.0	7.90	7.4	80.1	40.0	26.7
	4.0	9.12	7.4	92.4	46.2	30.8
4629-3/4-TOC40	2.0	12.89	7.9	122	61.2	40.8
	3.0	15.79	8.2	144	72.2	48.1
	4.0	18.23	8.2	167	83.4	55.6
4629-3/4-TOC80	2.0	25.78	8.8	220	110	73.3
	3.0	31.58	9.1	260	130	86.8
	4.0	36.47	9.1	301	150	100
4629-3/4-TOC150	2.0	48.34	9.3	390	195	130
	3.0	59.21	9.6	463	231	154
	4.0	68.37	9.6	534	267	178
4629-3/4-TOC300	2.0	96.68	9.7	748	374	249
	3.0	118.41	10.0	888	444	296
	4.0	136.73	10.2	1005	503	335

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 136-157 for useful formulas and other information.

# FieldJet® Boomless Nozzles with Extra-Wide Flat Spray Projection

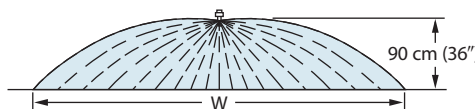


**Type 1/4-KLC**  
1/4" NPT male pipe connections



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

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



### How to order:

Specify part number and material.

Example: 1/4KLC-SS18 – Stainless Steel

Nozzle Type	Pressure (bar)	Capacity One Nozzle (l/min)	"W" (meters)	Application Rate (l/ha)						
				3 km/h	4 km/h	5 km/h	6 km/h	8 km/h	10 km/h	12 km/h
1/4-KLC-5	0.7	1.91	4.3	88.8	66.6	53.3	44.4	33.3	26.7	22.2
	1.0	2.28	5.2	87.7	65.8	52.6	43.8	32.9	26.3	21.9
	2.0	3.23	5.5	117	88.1	70.5	58.7	44.0	35.2	29.4
	3.0	3.95	6.4	123	92.6	74.1	61.7	46.3	37.0	30.9
1/4-KLC-9	0.7	3.43	4.9	140	105	84.0	70.0	52.5	42.0	35.0
	1.0	4.10	5.5	149	112	89.5	74.5	55.9	44.7	37.3
	2.0	5.80	5.8	200	150	120	100	75.0	60.0	50.0
	3.0	7.10	6.4	222	166	133	111	83.2	66.6	55.5
1/4-KLC-18	0.7	6.86	5.5	249	187	150	125	93.5	74.8	62.4
	1.0	8.20	6.1	269	202	161	134	101	80.7	67.2
	2.0	11.6	6.4	363	272	218	181	136	109	90.6
	3.0	14.2	6.7	424	318	254	212	159	127	106
1/4-KLC-36	0.7	13.7	5.8	472	354	283	236	177	142	118
	1.0	16.4	6.7	490	367	294	245	184	147	122
	2.0	23.2	7.3	636	477	381	318	238	191	159
	3.0	28.4	7.9	719	539	431	359	270	216	180

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 136–157 for useful formulas and other information.