

# 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:

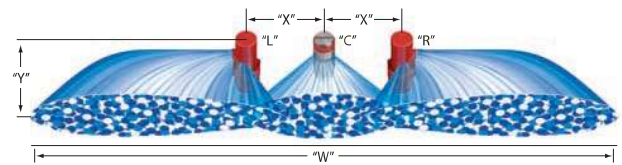
- Unique orifice geometry produces a wide spray pattern while maintaining superior distribution across entire width.
- Pre-orifice design minimizes drift.
- Extra wide spray pattern—up to 18.5' (5.5 meters)—using a single nozzle.
- Removable polymer pre-orifice.
- Acetal construction for excellent chemical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

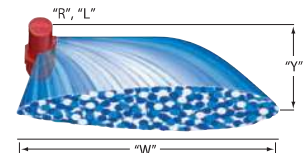
## How to order:

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



CENTER NOZZLE "C"	bar	DROP SIZE	CAPACITY THREE NOZZLES IN l/min	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	1.5	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
	4.0	XC	12.8	9.0	9.8	213	107	71.1	53.3	35.6	26.7	196	98.0	65.3	49.0	32.7	24.5
(B)1/4XP20R (B)1/4XP20L	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
	4.0	XC	21.9	10.2	10.8	322	161	107	80.5	53.7	40.3	304	152	101	76.0	50.7	38.0
(B)1/4XP25R (B)1/4XP25L	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
	4.0	XC	27.0	10.2	10.8	397	199	132	99.3	66.2	49.6	375	188	125	93.8	62.5	46.9
(B)1/2XP40R (B)1/2XP40L	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"	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
	4.0	UC	4.55	4.0	4.4	171	114	85.3	68.3	56.9	42.7	34.1	27.3	22.8	19.5	155	103	77.6	62.0	51.7	38.8	31.0	24.8	20.7	17.7
(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
	4.0	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
(B)1/4XP25R (B)1/4XP25L	1.5	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
	2.0	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
	3.0	UC	9.77	4.1	4.4	357	238	179	143	119	89.4	71.5	57.2	47.7	40.9	333	222	167	133	111	83.3	66.6	53.3	44.4	38.1
	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
	4.0	UC	11.2	4.6	4.9	365	243	183	146	122	91.3	73.0	58.4	48.7	41.7	343	229	171	137	114	85.7	68.6	54.9	45.7	39.2
(B)1/2XP40R (B)1/2XP40L	1.5	UC	11.2	3.4	3.7	494	329	247	198	165	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
	4.0	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
(B)1/2XP80R (B)1/2XP80L	1.5	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
	2.0	UC	25.5	4.6	5.0	832	554	416	333	277	208	166	133	111	95.0	765	510	383	306	255	191	153	122	102	87.4
	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
	3.5	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