



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.

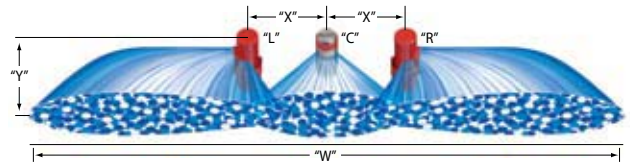
Features:

- 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 or stainless steel construction for excellent chemical resistance.
- Recommended spray pressure range: 20–60 PSI (1.5–4 bar).



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Moorhead, MN 56560
218-236-1818
800-365-3070
www.riverbendind.com



"R", "L"	CENTER NOZZLE "C"	PSI	DROP SIZE	CAPACITY THREE NOZZLES IN GPM	SPRAY WIDTH "W" (FEET)		NOZZLE SPACING "X" = 20"																			
							HEIGHT = 24"										HEIGHT = 36"									
							GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.					GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.				
							4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R (B)1/4XP10L	1/4TTJ08	30	XC	2.43	23.3	25.3	12.9	8.6	6.5	5.2	3.4	2.6	0.59	0.39	0.30	0.24	11.9	7.9	5.9	4.8	3.2	2.4	0.54	0.36	0.27	0.22
		40	XC	2.80	25.3	28.3	13.7	9.1	6.8	5.5	3.7	2.7	0.63	0.42	0.31	0.25	12.2	8.2	6.1	4.9	3.3	2.4	0.56	0.37	0.28	0.22
		50	XC	3.13	28.3	30.3	13.7	9.1	6.8	5.5	3.6	2.7	0.63	0.42	0.31	0.25	12.8	8.5	6.4	5.1	3.4	2.6	0.59	0.39	0.29	0.23
(B)1/4XP20R (B)1/4XP20L	1/4TTJ08	30	XC	4.19	26.3	27.3	19.7	13.1	9.9	7.9	5.3	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
		40	XC	4.80	30.3	31.3	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
		50	XC	5.39	32.3	33.3	21	13.8	10.3	8.3	5.5	4.1	0.95	0.63	0.47	0.38	20	13.4	10.0	8.0	5.3	4.0	0.92	0.61	0.46	0.37
(B)1/4XP25R (B)1/4XP25L	1/4TTJ10	30	XC	5.13	27.3	30.3	23	15.5	11.6	9.3	6.2	4.7	1.1	0.71	0.53	0.43	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38
		40	XC	6.00	30.3	32.3	25	16.3	12.3	9.8	6.5	4.9	1.1	0.75	0.56	0.45	23	15.3	11.5	9.2	6.1	4.6	1.1	0.70	0.53	0.42
		50	XC	6.62	32.3	33.3	25	16.9	12.7	10.1	6.8	5.1	1.2	0.77	0.58	0.46	25	16.4	12.3	9.8	6.6	4.9	1.1	0.75	0.56	0.45
(B)1/2XP40R (B)1/2XP40L	1/4TTJ15	30	XC	8.36	29.3	32.3	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.98	0.73	0.59
		40	XC	9.50	31.3	34.3	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	34	23	17.1	13.7	9.1	6.9	1.6	1.0	0.78	0.63
		50	XC	10.8	33.3	35.3	40	27	20	16.1	10.7	8.0	1.8	1.2	0.92	0.74	38	25	18.9	15.1	10.1	7.6	1.7	1.2	0.87	0.69
60	XC	11.8	35.3	38.3	41	28	21	16.5	11.0	8.3	1.9	1.3	0.95	0.76	38	25	19.1	15.3	10.2	7.6	1.7	1.2	0.87	0.70		

"R", "L"	CENTER NOZZLE "C"	PSI	DROP SIZE	CAPACITY THREE NOZZLES IN GPM	SPRAY WIDTH "W" (FEET)		NOZZLE SPACING "X" = 30"																			
							HEIGHT = 24"										HEIGHT = 36"									
							GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.					GPA FOR THREE NOZZLES					GALLONS PER 1000 SQ. FT.				
							4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R (B)1/4XP10L	1/4TTJ06 (50)	30	XC	2.26	25.0	27.0	11.2	7.5	5.6	4.5	3.0	2.2	0.51	0.34	0.26	0.20	10.4	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19
		40	XC	2.60	27.0	30.0	11.9	7.9	6.0	4.8	3.2	2.4	0.55	0.36	0.27	0.22	10.7	7.2	5.4	4.3	2.9	2.1	0.49	0.33	0.25	0.20
		50	XC	2.91	30.0	32.0	12.0	8.0	6.0	4.8	3.2	2.4	0.55	0.37	0.27	0.22	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21
(B)1/4XP20R (B)1/4XP20L	1/4TTJ06 (50)	30	XC	4.02	28.0	29.0	17.8	11.8	8.9	7.1	4.7	3.6	0.81	0.54	0.41	0.33	17.2	11.4	8.6	6.9	4.6	3.4	0.79	0.52	0.39	0.31
		40	XC	4.60	32.0	33.0	17.8	11.9	8.9	7.1	4.7	3.6	0.81	0.54	0.41	0.33	17.3	11.5	8.6	6.9	4.6	3.5	0.79	0.53	0.39	0.32
		50	XC	5.17	34.0	35.0	18.8	12.5	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.3	12.2	9.1	7.3	4.9	3.7	0.84	0.56	0.42	0.33
(B)1/4XP25R (B)1/4XP25L	1/4TTJ08	30	XC	4.95	29.0	32.0	21	14.1	10.6	8.4	5.6	4.2	0.97	0.64	0.48	0.39	19.1	12.8	9.6	7.7	5.1	3.8	0.88	0.58	0.44	0.35
		40	XC	5.80	32.0	34.0	22	15.0	11.2	9.0	6.0	4.5	1.0	0.68	0.51	0.41	21	14.1	10.6	8.4	5.6	4.2	0.97	0.64	0.48	0.39
		50	XC	6.39	34.0	35.0	23	15.5	11.6	9.3	6.2	4.7	1.1	0.71	0.53	0.43	23	15.1	11.3	9.0	6.0	4.5	1.0	0.69	0.52	0.41
(B)1/2XP40R (B)1/2XP40L	1/4TTJ10	30	XC	7.93	31.0	34.0	32	21	15.8	12.7	8.4	6.3	1.4	0.97	0.72	0.58	29	19.2	14.4	11.5	7.7	5.8	1.3	0.88	0.66	0.53
		40	XC	9.00	33.0	36.0	34	23	16.9	13.5	9.0	6.8	1.5	1.0	0.77	0.62	31	21	15.5	12.4	8.3	6.2	1.4	0.94	0.71	0.57
		50	XC	10.2	35.0	37.0	36	24	18.0	14.4	9.6	7.2	1.7	1.1	0.83	0.66	34	23	17.1	13.6	9.1	6.8	1.6	1.0	0.78	0.62
(B)1/2XP80R (B)1/2XP80L	1/4TTJ15	30	XC	15.0	35.0	38.0	53	35	27	21	14.1	10.6	2.4	1.6	1.2	0.97	49	33	24	19.5	13.0	9.8	2.2	1.5	1.1	0.89
		40	XC	17.5	37.0	40.0	59	39	29	23	15.6	11.7	2.7	1.8	1.3	1.1	54	36	27	22	14.4	10.8	2.5	1.7	1.2	0.99
		50	XC	19.1	38.0	41.0	62	41	31	25	16.6	12.4	2.8	1.9	1.4	1.1	58	38	29	23	15.4	11.5	2.6	1.8	1.3	1.1
60	XC	21.0	40.0	42.0	65	43	32	26	17.3	13.0	3.0	2.0	1.5	1.2	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1		

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

(B)=BSPT



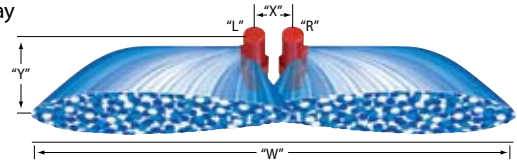
XP BoomJet® Boomless Flat Spray Nozzles



- NPT or BSPT (male) threads for easy installation.
- Color-coding for easy capacity identification.

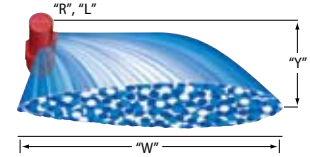
How to order:
Specify part number.
Example:

(B)1/2XP80L(R)-VS – VisiFlo® Stainless Steel left boom spray



Nozzle "R", "L"	PSI	DROP SIZE	CAPACITY TWO NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		NOZZLE SPACING "X" = 0-3"										NOZZLE SPACING "X" = 0-3"									
				24" HEIGHT	36" HEIGHT	GPA FOR TWO NOZZLES					GALLONS PER 1000 SQ. FT.					GPA FOR TWO NOZZLES					GALLONS PER 1000 SQ. FT.				
						4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R	20	XC	1.42	17.0	20.0	10.3	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	8.8	5.9	4.4	3.5	2.3	1.8	0.40	0.27	0.20	0.16
	30	XC	1.74	20.0	22.0	10.8	7.2	5.4	4.3	2.9	2.2	0.49	0.33	0.25	0.20	9.8	6.5	4.9	3.9	2.6	2.0	0.45	0.30	0.22	0.18
	40	XC	2.00	22.0	25.0	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	9.9	6.6	5.0	4.0	2.6	2.0	0.45	0.30	0.23	0.18
	(B)1/4XP10L	50	XC	2.24	25.0	27.0	11.1	7.4	5.5	4.4	3.0	2.2	0.51	0.34	0.25	0.20	10.3	6.8	5.1	4.1	2.7	2.1	0.47	0.31	0.24
	60	XC	2.44	26.0	29.0	11.6	7.7	5.8	4.6	3.1	2.3	0.53	0.35	0.27	0.21	10.4	6.9	5.2	4.2	2.8	2.1	0.48	0.32	0.24	0.19
(B)1/4XP20R	20	XC	2.84	18.0	22.0	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	16.0	10.7	8.0	6.4	4.3	3.2	0.73	0.49	0.37	0.29
	30	XC	3.50	23.0	24.0	18.8	12.6	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.0	12.0	9.0	7.2	4.8	3.6	0.83	0.55	0.41	0.33
	40	XC	4.00	27.0	28.0	18.3	12.2	9.2	7.3	4.9	3.7	0.84	0.56	0.42	0.34	17.7	11.8	8.8	7.1	4.7	3.5	0.81	0.54	0.40	0.32
	(B)1/4XP20L	50	XC	4.50	29.0	30.0	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	18.6	12.4	9.3	7.4	5.0	3.7	0.85	0.57	0.43
	60	XC	5.00	30.0	32.0	21	13.8	10.3	8.3	5.5	4.1	0.94	0.63	0.47	0.38	19.3	12.9	9.7	7.7	5.2	3.9	0.89	0.59	0.44	0.35
(B)1/4XP25R	20	XC	3.48	21.0	22.0	21	13.7	10.3	8.2	5.5	4.1	0.94	0.63	0.47	0.38	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36
	30	XC	4.26	24.0	27.0	22	14.6	11.0	8.8	5.9	4.4	1.0	0.67	0.50	0.40	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36
	40	XC	5.00	27.0	29.0	23	15.3	11.5	9.2	6.1	4.6	1.0	0.70	0.52	0.42	21	14.2	10.7	8.5	5.7	4.3	0.98	0.65	0.49	0.39
	(B)1/4XP25L	50	XC	5.50	29.0	30.0	23	15.6	11.7	9.4	6.3	4.7	1.1	0.72	0.54	0.43	23	15.1	11.3	9.1	6.1	4.5	1.0	0.69	0.52
	60	XC	6.00	30.0	32.0	25	16.5	12.4	9.9	6.6	5.0	1.1	0.76	0.57	0.45	23	15.5	11.6	9.3	6.2	4.6	1.1	0.71	0.53	0.43
(B)1/2XP40R	20	XC	5.74	22.0	24.0	32	16.1	12.9	8.6	6.5	1.5	0.99	0.74	0.59	30	19.7	14.8	11.8	7.9	5.9	1.4	0.90	0.68	0.54	0.54
	30	XC	7.06	26.0	29.0	34	16.8	13.4	9.0	6.7	1.5	1.0	0.77	0.62	30	20	15.1	12.1	8.0	6.0	1.4	0.92	0.69	0.55	
	40	XC	8.00	28.0	31.0	35	17.4	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.97	0.73	0.58	
	(B)1/2XP40L	50	XC	9.10	30.0	32.0	38	18.5	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.6	14.1	9.4	7.0	1.6	1.1	0.81	0.64
	60	XC	10.0	32.0	35.0	39	19.3	15.5	10.3	7.7	1.8	1.2	0.89	0.71	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	
(B)1/2XP80R	20	XC	11.2	26.0	31.0	53	36	27	21	14.2	10.7	2.4	1.6	1.2	0.98	45	30	22	17.9	11.9	8.9	2.0	1.4	1.0	0.82
	30	XC	13.7	30.0	33.0	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0	51	34	26	21	13.7	10.3	2.4	1.6	1.2	0.94
	40	XC	16.0	32.0	35.0	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0
	(B)1/2XP80L	50	XC	17.5	33.0	36.0	66	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.8	1.8	1.4
	60	XC	19.2	35.0	37.0	68	45	34	27	18.1	13.6	3.1	2.1	1.6	1.2	64	43	32	26	17.1	12.8	2.9	2.0	1.5	1.2

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



Nozzle "R", "L"	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		NOZZLE SPACING "X" = 0-3"										NOZZLE SPACING "X" = 0-3"									
				24" HEIGHT	36" HEIGHT	GPA FOR ONE NOZZLE					GALLONS PER 1000 SQ. FT.					GPA FOR ONE NOZZLE					GALLONS PER 1000 SQ. FT.				
						4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R	20	XC	0.71	8.5	10.0	10.3	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	8.8	5.9	4.4	3.5	2.3	1.8	0.40	0.27	0.20	0.16
	30	XC	0.87	10.0	11.0	10.8	7.2	5.4	4.3	2.9	2.2	0.49	0.33	0.25	0.20	9.8	6.5	4.9	3.9	2.6	2.0	0.45	0.30	0.22	0.18
	40	XC	1.00	11.0	12.5	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	9.9	6.6	5.0	4.0	2.6	2.0	0.45	0.30	0.23	0.18
	(B)1/4XP10L	50	XC	1.12	12.5	13.5	11.1	7.4	5.5	4.4	3.0	2.2	0.51	0.34	0.25	0.20	10.3	6.8	5.1	4.1	2.7	2.1	0.47	0.31	0.24
	60	XC	1.22	13.0	14.5	11.6	7.7	5.8	4.6	3.1	2.3	0.53	0.35	0.27	0.21	10.4	6.9	5.2	4.2	2.8	2.1	0.48	0.32	0.24	0.19
(B)1/4XP20R	20	XC	1.42	9.0	11.0	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	16.0	10.7	8.0	6.4	4.3	3.2	0.73	0.49	0.37	0.29
	30	XC	1.75	11.5	12.0	18.8	12.6	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.0	12.0	9.0	7.2	4.8	3.6	0.83	0.55	0.41	0.33
	40	XC	2.00	13.5	14.0	18.3	12.2	9.2	7.3	4.9	3.7	0.84	0.56	0.42	0.34	17.7	11.8	8.8	7.1	4.7	3.5	0.81	0.54	0.40	0.32
	(B)1/4XP20L	50	XC	2.25	14.5	15.0	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	18.6	12.4	9.3	7.4	5.0	3.7	0.85	0.57	0.43
	60	XC	2.50	15.0	16.0	21	13.8	10.3	8.3	5.5	4.1	0.94	0.63	0.47	0.38	19.3	12.9	9.7	7.7	5.2	3.9	0.89	0.59	0.44	0.35
(B)1/4XP25R	20	XC	1.74	10.5	11.0	21	13.7	10.3	8.2	5.5	4.1	0.94	0.63	0.47	0.38	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36
	30	XC	2.13	12.0	13.5	22	14.6	11.0	8.8	5.9	4.4	1.0	0.67	0.50	0.40	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36
	40	XC	2.50	13.5	14.5	23	15.3	11.5	9.2	6.1	4.6	1.0	0.70	0.52	0.42	21	14.2	10.7	8.5	5.7	4.3	0.98	0.65	0.49	0.39
	(B)1/4XP25L	50	XC	2.75	14.5	15.0	23	15.6	11.7	9.4	6.3	4.7	1.1	0.72	0.54	0.43	23	15.1	11.3	9.1	6.1	4.5	1.0	0.69	0.52
	60	XC	3.00	15.0	16.0	25	16.5	12.4	9.9	6.6	5.0	1.1	0.76	0.57	0.45	23	15.5	11.6	9.3	6.2	4.6	1.1	0.71	0.53	0.43
(B)1/2XP40R	20	XC	2.87	11.0	12.0	32	16.1	12.9	8.6	6.5	1.5	0.99	0.74	0.59	30	19.7	14.8	11.8	7.9	5.9	1.4	0.90	0.68	0.54	0.54
	30	XC	3.53	13.0	14.5	34	16.8	13.4	9.0	6.7	1.5	1.0	0.77	0.62	30	20	15.1	12.1	8.0	6.0	1.4	0.92	0.69	0.55	
	40	XC	4.00	14.0	15.5	35	17.4	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.97	0.73	0.58	
	(B)1/2XP40L	50	XC	4.55	15.0	16.0	38	18.5	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.6	14.1	9.4	7.0	1.6	1.1	0.81	0.64
	60	XC	5.00	16.0	17.5	39	19.3	15.5	10.3	7.7	1.8	1.2	0.89	0.71	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	
(B)1/2XP80R	20	XC	5.60	13.0	15.5	53	36	27	21	14.2	10.7	2.4	1.6	1.2	0.98	45	30	22	17.9	11.9	8.9	2.0	1.4	1.0	0.82
	30	XC	6.83	15.0	16.5	56	38	28	23	15.0	11.3	2.6	1.7	1.3	1.0	51	34	26	20	13.7	10.2	2.3	1.6	1.2	0.94
	40	XC	8.00	16.0	17.5	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0
	(B)1/2XP80L	50	XC	8.73	16.5	18.0	65	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.7	1.8	1.4
	60	XC	9.60	17.5	18.5	68	45	34	27	18.1	13.6	3.1	2.1	1.6	1.2	64	43	32	26	17.1	12.8	2.9	2.0	1.5	1.2