

Boomless Nozzle Instructions

Installation

1. Mount the boomless assembly in the center of the boom or boomless bar with the supplied u-bolts and hardware (Image 1 and 2)

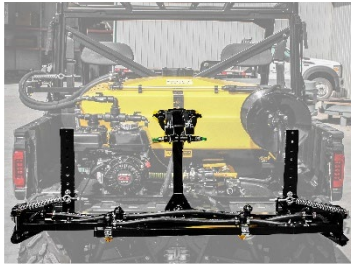


IMAGE 1



IMAGE 2

2. Attach 1/2" hose from the back of the boomless assembly to one of the boom control valves found on the platform of the sprayer with the two #5 clamps.
 - a. If you have boom and boomless the plug from one of the sprayer outlets will need to be removed and replaced with the supplied 1/2" hose barb.
3. Install tips in the end of the nozzle bodies:
 - a. Hypro: The Hypro® tips are universal and do not require the installation of the 1/4" Street Elbow. (Image 3)
 - b. Boominator® or Tee-Jet®: The Boominator or Tee-Jet tips DO have a left & right side. Install them on the correct side using the 1/4" Street Elbow. (Image 4 or 5)



IMAGE 3

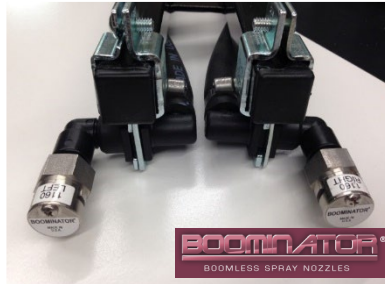


IMAGE 4



IMAGE 5

Operation

1. The nozzles are turned on by the master control which would be either the manual gray handle on the control arm or the toggle switch on the electric boom control box.
2. You can turn one nozzle off by turning off the valve on the boomless assembly.
3. The distance each tip will spray can vary anywhere from 8.5' to 18' depending on the tip model, pressure you run at, the height of the tip from the ground & wind conditions.
4. Refer to the spray tip chart for spray rates and coverage area.

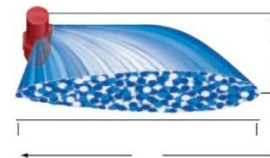
TeeJet® XP - BOOMJET | Boomless Flat Spray Nozzles



NPT or BSPT (male) threads for easy installation.

10 20 25 40 80



(B)=BSPT



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

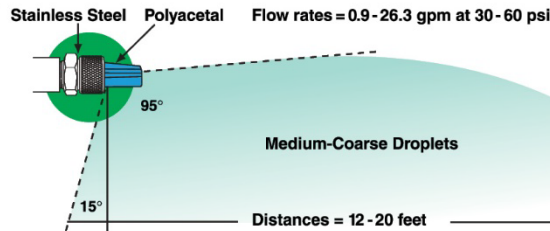
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). Application rates are identical for a two-tip setup. Swath width and flow capacity will be doubled for a two-tip setup.

XT - BOOM XTENDER

Boomless Spray Tips

The Boom XTender® is a boomless spray nozzle that is ideal for applications where a conventional boom cannot be used due to obstacles such as, power poles, guardrails, fences, trees, etc.

Standard Pattern



Nozzle Size (MNPT)	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre at swath shown MPH										GAL/1000ft ³				Swath (Ft) at 40 PSI 48 in high
			4	5	6	8	10	12	15	20	2	3	4	5			
10 (1/4")	30	0.9	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16	13		
	40	1.0	9.9	7.9	6.6	5.0	4.0	3.3	2.6	2.0	0.45	0.30	0.23	0.18			
	50	1.1	10.9	8.7	7.3	5.4	4.4	3.6	2.9	2.2	0.50	0.33	0.25	0.20			
	60	1.2	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.55	0.36	0.27	0.22			
15 (1/4")	30	1.3	10.9	8.7	7.3	5.4	4.4	3.6	2.9	2.2	0.53	0.35	0.26	0.21	14		
	40	1.5	12.5	10.0	8.3	6.3	5.0	4.2	3.4	2.5	0.61	0.41	0.30	0.24			
	50	1.7	13.7	11.0	9.2	6.9	5.5	4.6	3.7	2.8	0.67	0.45	0.33	0.27			
	60	1.8	15.0	12.0	10.0	7.5	6.0	5.0	4.0	3.0	0.73	0.49	0.37	0.29			
20 (1/4")	30	1.7	13.6	10.9	9.0	6.8	5.4	4.5	3.6	2.7	0.62	0.42	0.31	0.25	15		
	40	2.0	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	0.73	0.49	0.37	0.29			
	50	2.2	17.6	14.1	11.7	8.8	7.0	5.9	4.7	3.5	0.81	0.54	0.40	0.32			
	60	2.4	19.2	15.3	12.8	9.6	7.7	6.4	5.1	3.8	0.88	0.59	0.44	0.35			
24 (1/4")	30	2.1	16.2	13.0	10.8	8.1	6.5	5.4	4.3	3.2	0.75	0.50	0.37	0.30	16		
	40	2.4	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	2.7	20.9	16.7	13.9	10.4	8.4	7.0	5.6	4.2	0.96	0.64	0.48	0.38			
	60	2.9	22.4	17.9	15.0	11.2	9.0	7.5	6.0	4.5	1.03	0.69	0.51	0.41			
43 (3/8")	30	3.7	31.6	25.3	21.1	15.8	12.6	10.5	8.4	6.3	1.45	0.97	0.72	0.58	14		
	40	4.3	36.7	29.4	24.5	18.3	14.7	12.2	9.8	7.3	1.68	1.12	0.84	0.67			
	50	4.8	41.0	32.8	27.3	20.5	16.4	13.7	10.9	8.2	1.88	1.25	0.94	0.75			
	60	5.3	45.2	36.2	30.2	22.6	18.1	15.1	12.1	9.0	2.08	1.38	1.04	0.83			
80 (1/2")	30	6.9	68.3	54.6	45.5	34.2	27.3	22.8	18.2	13.7	3.14	2.09	1.57	1.25	13		
	40	8.0	79.2	63.4	52.8	39.6	31.7	26.4	21.1	15.8	3.64	2.42	1.82	1.45			
	50	8.9	88.1	70.5	58.7	44.1	35.2	29.4	23.5	17.6	4.04	2.70	2.02	1.62			
	60	9.8	97.0	77.6	64.7	48.5	38.8	32.3	25.9	19.4	4.45	2.97	2.23	1.78			
167 (3/4")	30	14.5	128	103	85.4	64.1	51.3	42.7	34.2	25.6	5.88	3.92	2.94	2.35	15		
	40	16.7	148	118	98.4	73.8	59.0	49.2	39.4	29.5	6.78	4.52	3.39	2.71			
	50	18.7	165	132	110	82.6	66.1	55.1	44.1	33.1	7.59	5.06	3.79	3.03			
	60	20.5	181	145	121	90.6	72.5	60.4	48.3	36.2	8.32	5.54	4.16	3.33			
215 (3/4")	30	18.6	144	115	95.9	71.9	57.5	48.0	38.4	28.8	6.60	4.40	3.30	2.64	16		
	40	21.5	166	133	111	83.1	66.5	55.4	44.3	33.3	7.63	5.09	3.82	3.05			
	50	24.0	186	149	124	92.8	74.3	61.9	49.5	37.1	8.52	5.68	4.26	3.41			
	60	26.3	203	163	136	102	81.4	67.8	54.2	40.7	9.34	6.22	4.67	3.73			

Features	
Common Use	Weeds
Pattern	Boomless Fan
Technology	Pre-Orifice
Material	Stainless or Polyacetal
Spray Angle	105°
Pressure Range	30-60 PSI (2-5 BAR)
Configuration	MNPT & FastCap



BOOMINATOR BOOMLESS NOZZLES



1250 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	1	2	3	4	5	6	7					
	GALLONS PER ACRE														
	20	1.5	16 ft.	46	23	16	12	9	8	7					
	30	1.7	16 ft.	53	26	18	13	11	9	8					
40	2.0	16 ft.	62	31	21	16	12	10	9						
1160 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7	8	9	10	11	12	
	GALLONS PER ACRE														
	20	1.0	16 ft.	15.5	10	8	6	5	4.5						
	30	1.2	16 ft.	18.5	12.5	9	7.5	6	5.5						
40	1.4	16 ft.	21.5	14.5	11	8.5	7	6							
1165 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7	8	9	10	11	12	
	GALLONS PER ACRE														
	20	1	5 ft.	49.5	33	24.5	20	16.5	14	12	11	10	9	8	
	30	1.2	5 ft.	59.5	39.5	30	23.5	20	17	15	13	12	11	10	
40	1.4	5 ft.	69.5	46	34.5	27.5	23	20	17	15.5	14	12.5	11.5		
1400 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7	8	9	10	11	12	
	GALLONS PER ACRE														
	20	1.7	17 ft.	25	17	12	10	8	7	6	5.5	5	4.5	4	
	30	2.0	17 ft.	30	19	15	12	10	8	7	6.5	6	5	4.5	
40	2.5	17 ft.	36	24	18	15	12	10	9	8	7	6.5	6		
1870 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7	8	9	10	11	12	
	GALLONS PER ACRE														
	20	3.0	18 ft.	41	28	21	17	14	12	10	9	8	7.5	7	
	30	3.5	18 ft.	48	32	24	19	16	14	12	11	10	9	8	
40	4.3	18 ft.	59	39	30	24	20	17	15	13	12	11	10		