Boomless Spray Nozzles

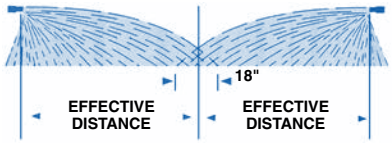
BOOM BUSTER Nozzles

Stainless Boom Buster Nozzles are designed for roadside & right of way use with chemicals and fertilizers and deicing liquids on roads and bridges. They work well where off center tips are required for clear liquids and suspensions. Can be used as singles or in a two or three nozzle combination for selected coverage. Select nozzles for use at 30-50 PSI for 1.7 to 37 GPM at distances of 3 to 30 feet.

Effective distance shown based on 36" mounting height. Nylon diffuser vane.

The nozzles shown carry an "R" designation which is correct for right of way spraying. For two nozzles mounted back to back, use standard numbers *(less R)* to ensure center overlap. *(see picture).*

Typical standard two nozzle installation showing center overlap.



In multiple pass spraying, the end of the pattern should overlap approximately 18".

STANDARD NOZZLE APPLICATION CHART

					GALLONS PER ACRE (Water used for all calculations)												
MODEL	PSI	GPM	EFF. DIST.	NOZZLE ANGLE	1 mph	2 mph	3 mph	4 mph	5 mph	6 mph	7 mph						
125 & 125R 1/4"	30	1.7	15.5	Level	54	27	18	13	11	9	7.8						
	40	2.0	15.5	Level	64	32	21	16	13	11	9.1						
					5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	11 mph	12 mph	13 mph	14 mph	15 mph		
140 & 140R 1/4"	30	2.0	16.5	Level	12	10	8.5	7.5	6.7	6	5.5	5	4.6	4.3	4		
	40	2.4	16.5	Level	14	12	10	9	8	7	6.5	6	5.5	5.1	4.8		
	50	2.7	16.5	Level	16	14	12	10	9	8	7.4	6.8	6.2	5.8	5.4		
187 & 187R 3/8"	30	3.6	18.5	Level	19	16	14	12	11	9.6	8.8	8	7.4	6.9	6.4		
	40	4.3	18.5	Level	23	19	16	14	13	12	11	9.6	8.9	8.2	7.7		
	50	4.8	18.5	Level	26	21	18	16	14	13	12	11	10	9.2	8.6		
265 & 265R 1/2"	30	6.8	19.5	Level	35	29	25	22	19	17	16	14	13	12	11		
	40	8.0	19.5	Level	41	34	29	25	23	20	18	17	15	14	13		
	50	8.8	19.5	Level	45	37	32	28	25	22	20	19	17	16	15		
375 & 375R 3/4"	30	14.4	21.5	Level	66	55	47	41	37	33	30	28	26	24	22		
	40	16.7	21.5	Level	77	64	55	48	43	38	35	32	30	27	26		
	50	18.8	21.5	Level	87	72	62	54	48	43	39	36	33	31	29		
437 & 437R 3/4"	30	18.5	29.5	Up	62	52	44	39	34	31	28	26	24	22	21		
	40	21.5	29.5	Up	72	60	52	45	40	36	33	30	28	26	24		
	50	24.2	29.5	Up	81	68	58	51	45	41	37	34	31	29	27		
					4 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph	22 mph	24 mph	26 mph	28 mph	30 mph
500 & 500R 1"	30	29	20	Level	179	120	90	72	60	51	45	40	36	33	30	28	26	24
	40	33	20	Level	204	136	102	82	68	58	51	45	41	37	24	31	29	27
	50	37	20	Level	229	153	114	91	76	65	57	51	46	41	38	35	33	30
					4 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph	22 mph	24 mph	26 mph	28 mph	30 mph
504 & 504R 1"	30	29	40	Up	179	120	90	72	60	51	45	40	36	33	30	28	26	24
	40	33	40	Up	204	136	102	82	68	58	51	45	41	37	24	31	29	27
	50	37	40	Up	229	153	114	91	76	65	57	51	46	41	38	35	33	30

NARROW BAND NOZZLE APPLICATION CHART

					GALLONS PER ACRE (Water used for all calculations)										
MODEL	PSI	GPM	EFF. DIST.	NOZZLE ANGLE	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	11 mph	12 mph	13 mph	14 mph	15 mph
120-3	30	1.7	3	Down	56	47	40	35	31	28	25	23	22	20	19
120-3R	40	2.0	3	Down	66	55	47	41	37	33	30	27	25	23	22
1/4"	50	2.2	3	Down	73	61	52	45	40	36	33	30	28	26	24
120-5	30	1.7	5	Down	34	28	24	21	19	17	15	14	13	12	11
120-5R	40	2.0	5	Down	40	33	28	25	22	20	18	17	15	14	13
1/4"	50	2.2	5	Down	44	36	31	27	24	22	20	18	17	15	13
180-6	30	3.6	6	Down	59	50	42	37	33	30	27	25	23	21	20
180-6R	40	4.3	6	Down	71	59	51	44	39	35	32	30	27	25	24
3/8"	50	4.8	6	Down	79	66	57	50	44	40	36	33	30	28	26
					5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	11 mph	12 mph	13 mph	14 mph	15 mph
180-10	30	3.6	10	Down	36	30	25	22	20	18	16	15	14	13	12
180-10R	40	4.3	10	Down	43	35	30	27	24	21	19	18	16	15	14
3/8"	50	4.8	10	Down	48	40	34	30	26	24	22	20	18	17	16
					10 mph	12 mph	14 mph	16 mph	18 mph	20 mph	22 mph	24 mph	26 mph	28 mph	30 mph
260-5	30	6.8	5	Down	67	56	48	42	37	34	31	28	26	24	22
260-5R	40	8.0	5	Down	79	66	57	50	44	40	36	33	30	28	26
1/2"	50	8.8	5	Down	87	73	62	54	48	44	40	36	33	31	29
					5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	11 mph	12 mph	13 mph	14 mph	15 mph
260-11	30	6.8	11	Down	61	51	44	38	34	31	28	26	24	22	20
260-11R	40	8.0	11	Down	72	60	51	45	40	36	33	30	28	26	24
1/2"	50	8.8	11	Down	79	66	57	50	44	40	36	33	30	28	26
					10 mph	12 mph	14 mph	16 mph	18 mph	20 mph	22 mph	24 mph	26 mph	28 mph	30 mph
370	30	14.4	10	Down	71	59	51	46	40	36	32	30	27	25	24
370R	40	16.7	10	Down	83	69	59	52	46	41	38	34	32	29	27
3/4"	50	18.8	10	Down	93	77	66	58	52	46	41	38	36	33	31

Part No.
BM 120-3
BM 120-3R
BM 120-5
BM 120-5R
BM 125
BM 125R
BM 140
BM 140R
BM 180-6
BM 180-6R
BM 180-10
BM 180-10R
BM 187
BM 187R
BM 260-5
BM 260-5R

Part No.
BM 260-11
BM 260-11R
BM 265
BM 265R
BM 370
BM 370R
BM 375
BM 375R
BM 437
BM 437R
BM 500
BM 500R
BM 504
BM 504R

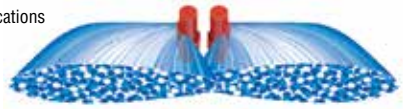
XP BoomJet® Boomless Flat Spray Nozzles

Features:

- Unique orifice produces wide spray pattern & superior distribution.
- Pre-Orifice design minimizes drift.
- Extra wide spray pattern - up to 18.5' with a single nozzle.
- Removable polymer pre-orifice
- Color coding for easy capacity identification.

Applications:

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



Part No.	Description
SS 1/4XP_ _ _VP	1/4" Polymer Nozzle - ***Specify L or R***
SS 1/2XP_ _ _VP	1/2" Polymer Nozzle - ***Specify L or R***

Tip No.	Tip/Pre-Orifice Color	Liquid Pressure (psi)	Capacity 1 Nozzle (GPM)	Spray Width "W" (ft) 36" Height	Water Gallons Per Acre MPH 36" Height 2	4	7	10	15	20
1/4XP10RVP	Orange	30	.87	11.0	19.6	9.8	6.5	3.9	2.6	2.0
1/4XP10LVP		40	1.00	12.5	19.8	9.9	6.6	4.0	2.6	2.0
1/4XP20RVP	Yellow	30	1.75	12.0	36	18.0	10.3	7.2	4.8	3.6
1/4XP20LVP		40	2.00	14.0	35	17.7	10.1	7.1	4.7	3.5
1/4XP25RVP	Violet	30	2.13	13.5	39	19.5	11.2	7.8	5.2	3.9
1/4XP25LVP		40	2.50	14.5	43	21	12.2	8.5	5.7	4.3
1/2XP40RVP	Red	30	3.53	14.5	60	30	17.2	12.1	8.0	6.0
1/2XP40LVP		40	4.00	15.5	64	32	18.2	12.8	8.5	6.4
1/2XP80RVP	White	30	6.83	16.5	102	51	29	20	13.7	10.2
1/2XP80LVP		40	8.00	17.5	113	57	32	23	15.1	11.3

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