

LX MPR NOZZLES

FEATURES

- Color-coded nozzles for easy identification
- Reusable, dual-compartment resealable bags for organizing nozzles and screens
- Matched precipitation rates across sets and across patterns in each numbered series
- LX Series screens maintain precise radius adjustments (screen included with nozzle)
- Stainless steel radius adjustment screw

APPLICATIONS

- For use with all LX Series sprayheads
- Fits all industry-standard sprayheads with male thread risers
- Fits LXS, No. 72 and No. 73 Shrub Adapters

OPERATING DATA

- Precipitation rate: 1.67 – 5.33" per hour (37 – 144 mm/h)
- Spacing: 5 – 15' (1,5 – 4,6 m)
- Pressure: 15 – 30 psi (1,0 – 2,1 bars)
- MPR performance was determined with nozzles mounted on 4" (10,2 cm) pop-ups. ASAE standard of .01" per hour was used to determine listed radius.

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www.weathermatic.com



8 SERIES

5° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr ⓧ	Precip. in/hr ▲
8F	360°	15	5	1.2	4.62	5.33
		20	6	1.3	3.48	4.01
		25	7	1.4	2.75	3.18
		30	8	1.6	2.41	2.78
8H	180°	15	5	0.6	4.62	5.33
		20	6	0.7	3.74	4.32
		25	7	0.7	2.75	3.18
		30	8	0.8	2.41	2.78
8T	120°	15	5	0.4	4.62	5.33
		20	6	0.4	3.21	3.70
		25	7	0.5	2.95	3.40
		30	8	0.5	2.26	2.60
8Q	90°	15	5	0.3	4.62	5.33
		20	6	0.3	3.21	3.70
		25	7	0.4	3.14	3.63
		30	8	0.4	2.41	2.78

8 SERIES METRIC

5° SPRAY TRAJECTORY

Nozzle	Arc	Pressure bar	Radius m	Flow m ³ /h	Precip. mm/hr ⓧ	Precip. mm/hr ▲
8F	360°	1,0	1,5	0,27	120	139
		1,4	1,8	0,30	93	107
		1,7	2,1	0,32	73	84
		2,1	2,4	0,36	63	72
8H	180°	1,0	1,5	0,14	124	144
		1,4	1,8	0,16	99	114
		1,7	2,1	0,16	73	84
		2,1	2,4	0,18	63	72
8T	120°	1,0	1,5	0,09	120	139
		1,4	1,8	0,09	83	96
		1,7	2,1	0,11	75	86
		2,1	2,4	0,11	57	66
8Q	90°	1,0	1,5	0,07	124	144
		1,4	1,8	0,07	86	100
		1,7	2,1	0,09	82	94
		2,1	2,4	0,09	63	72

ⓧ Square spacing based on 50% of diameter

▲ Triangular spacing based on 50% of diameter

Max radius reduction with adjustment screw is 25%

10 SERIES

15° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr ⓧ	Precip. in/hr ▲
10F	360°	15	7	1.2	2.36	2.72
		20	8	1.3	1.96	2.26
		25	9	1.4	1.66	1.92
		30	10	1.6	1.54	1.78
10H	180°	15	7	0.6	2.36	2.72
		20	8	0.7	2.11	2.43
		25	9	0.7	1.66	1.92
		30	10	0.8	1.54	1.78
10T	120°	15	7	0.4	2.36	2.72
		20	8	0.4	1.80	2.08
		25	9	0.5	1.78	2.06
		30	10	0.5	1.44	1.67
10Q	90°	15	7	0.3	2.36	2.72
		20	8	0.3	1.80	2.08
		25	9	0.4	1.90	2.20
		30	10	0.4	1.54	1.78

10 SERIES METRIC

15° SPRAY TRAJECTORY

Nozzle	Arc	Pressure bar	Radius m	Flow m ³ /h	Precip. mm/hr ⓧ	Precip. mm/hr ▲
10F	360°	1,0	2,1	0,27	61	71
		1,4	2,4	0,30	52	60
		1,7	2,7	0,32	44	51
		2,1	3,0	0,36	40	46
10H	180°	1,0	2,1	0,14	63	73
		1,4	2,4	0,16	56	64
		1,7	2,7	0,16	44	51
		2,1	3,0	0,18	40	46
10T	120°	1,0	2,1	0,09	61	71
		1,4	2,4	0,09	47	54
		1,7	2,7	0,11	45	52
		2,1	3,0	0,11	37	42
10Q	90°	1,0	2,1	0,07	63	73
		1,4	2,4	0,07	49	56
		1,7	2,7	0,09	49	57
		2,1	3,0	0,09	40	46

ⓧ Square spacing based on 50% of diameter

▲ Triangular spacing based on 50% of diameter

Max radius reduction with adjustment screw is 25%



12 SERIES 30° SPRAY TRAJECTORY						
Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr Ⓢ	Precip. in/hr ▲
12F		15	9	1.8	2.14	2.47
		20	10	2.1	2.02	2.33
		25	11	2.4	1.91	2.20
		30	12	2.6	1.74	2.01
12H		15	9	0.9	2.14	2.47
		20	10	1.0	1.93	2.22
		25	11	1.2	1.91	2.20
		30	12	1.3	1.74	2.01
12T		15	9	0.6	2.14	2.47
		20	10	0.7	2.02	2.33
		25	11	0.8	1.91	2.20
		30	12	0.9	1.80	2.08
12Q		15	9	0.5	2.38	2.74
		20	10	0.5	1.93	2.22
		25	11	0.6	1.91	2.20
		30	12	0.7	1.87	2.16
12TT		15	9	1.1	1.93	2.46
		20	10	1.3	1.85	2.00
		25	11	1.5	1.73	1.65
		30	12	1.6	1.59	1.39
12TQ		15	9	1.3	2.07	2.46
		20	10	1.5	1.96	2.00
		25	11	1.7	1.83	1.65
		30	12	1.8	1.63	1.39

12 SERIES METRIC 30° SPRAY TRAJECTORY						
Nozzle	Arc	Pressure bar	Radius m	Flow m³/h	Precip. mm/hr Ⓢ	Precip. mm/hr ▲
12F		1.0	2.7	0.41	56	65
		1.4	3.0	0.48	53	62
		1.7	3.3	0.55	51	58
		2.1	3.7	0.59	43	50
12H		1.0	2.7	0.20	55	63
		1.4	3.0	0.23	51	59
		1.7	3.3	0.27	50	57
		2.1	3.7	0.30	44	51
12T		1.0	2.7	0.14	58	67
		1.4	3.0	0.16	53	62
		1.7	3.3	0.18	50	57
		2.1	3.7	0.20	44	51
12Q		1.0	2.7	0.11	60	70
		1.4	3.0	0.11	49	56
		1.7	3.3	0.14	51	59
		2.1	3.7	0.16	47	54
12TT		1.0	2.7	0.25	51	65
		1.4	3.0	0.29	48	53
		1.7	3.3	0.33	45	43
		2.1	3.7	0.37	41	35
12TQ		1.0	2.7	0.30	55	65
		1.4	3.0	0.35	52	53
		1.7	3.3	0.40	49	43
		2.1	3.7	0.42	41	35

Ⓢ Square spacing based on 50% of diameter
 ▲ Triangular spacing based on 50% of diameter
 Max radius reduction with adjustment screw is 25%



15 SERIES 30° SPRAY TRAJECTORY						
Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr Ⓢ	Precip. in/hr ▲
15F		15	11	2.6	2.07	2.39
		20	12	3.0	2.01	2.32
		25	14	3.3	1.62	1.87
		30	15	3.7	1.58	1.83
15H		15	11	1.3	2.07	2.39
		20	12	1.5	2.01	2.32
		25	14	1.7	1.67	1.93
		30	15	1.9	1.63	1.88
15T		15	11	0.9	2.15	2.48
		20	12	1.0	2.01	2.32
		25	14	1.1	1.62	1.87
		30	15	1.2	1.54	1.78
15Q		15	11	0.7	2.23	2.57
		20	12	0.8	2.14	2.47
		25	14	0.8	1.57	1.81
		30	15	0.9	1.54	1.78
15TT		15	11	1.6	1.96	2.39
		20	12	1.9	1.90	2.00
		25	14	2.1	1.55	1.47
		30	15	2.3	1.47	1.28
15TQ		15	11	2.1	2.24	2.39
		20	12	2.5	2.20	3.00
		25	14	2.8	1.82	1.47
		30	15	3.0	1.70	1.28

15 SERIES METRIC 30° SPRAY TRAJECTORY						
Nozzle	Arc	Pressure bar	Radius m	Flow m³/h	Precip. mm/hr Ⓢ	Precip. mm/hr ▲
15F		1.0	3.4	0.59	51	59
		1.4	3.7	0.68	50	57
		1.7	4.3	0.75	41	47
		2.1	4.6	0.84	40	46
15H		1.0	3.4	0.30	52	60
		1.4	3.7	0.34	50	57
		1.7	4.3	0.39	42	49
		2.1	4.6	0.43	41	47
15T		1.0	3.7	0.20	52	60
		1.4	3.7	0.23	50	58
		1.7	4.3	0.25	41	47
		2.1	4.6	0.27	38	44
15Q		1.0	3.4	0.16	55	64
		1.4	3.7	0.18	53	61
		1.7	4.3	0.18	39	45
		2.1	4.6	0.20	38	44
15TT		1.0	3.4	0.38	49	60
		1.4	3.7	0.44	48	58
		1.7	4.3	0.48	39	48
		2.1	4.6	0.53	38	46
15TQ		1.0	3.4	0.49	57	60
		1.4	3.7	0.57	56	58
		1.7	4.3	0.64	46	48
		2.1	4.6	0.68	43	46

Ⓢ Square spacing based on 50% of diameter
 ▲ Triangular spacing based on 50% of diameter
 Max radius reduction with adjustment screw is 25%

5 STREAM
BUBBLER SERIES
0° SPRAY TRAJECTORY

Nozzle Pattern	Pressure psi	Radius ft (1)	Flow gpm (2)	METRIC		
				Pressure bar	Radius m (1)	Flow m³/h (2)
	15	5	1.5	0	1.5	0.34
	20	5	1.5	1.4	1.5	0.34
	25	5	1.5	1.7	1.5	0.34
	30	5	1.5	2.1	1.5	0.34
	15	5	1.0	1.0	1.5	0.23
	20	5	1.0	1.4	1.5	0.23
	25	5	1.0	1.7	1.5	0.23
	30	5	1.0	2.1	1.5	0.23
	15	5	0.5	1.0	1.5	0.11
	20	5	0.5	1.4	1.5	0.11
	25	5	0.5	1.7	1.5	0.11
	30	5	0.5	2.1	1.5	0.11
	15	5	0.5	1.0	1.5	0.11
	20	5	0.5	1.4	1.5	0.11
	25	5	0.5	1.7	1.5	0.11
	30	5	0.5	2.1	1.5	0.11

(1) Adjusted radius at pressure shown
 (2) Flow with radius adjusted to 5 ft (1.5m)

15/9 STRIP SERIES
30° SPRAY TRAJECTORY

Nozzle Pattern	Pressure psi	Width x Length (ft)	Flow gpm	Precip.* in/hr
	15	4 x 13	0.5	1.85
	20	4 x 14	0.5	1.72
	25	4 x 14	0.6	2.06
	30	4 x 15	0.6	1.93
	15	4 x 26	0.9	1.67
	20	4 x 28	1.0	1.72
	25	4 x 28	1.1	1.89
	30	4 x 30	1.2	1.93
	15	4 x 26	0.9	1.67
	20	4 x 28	1.0	1.72
	25	4 x 28	1.1	1.89
	30	4 x 30	1.2	1.93
	15	9 x 15	1.3	1.85
	20	9 x 16	1.5	2.01
	25	9 x 18	1.6	1.90
	30	9 x 18	1.7	2.02

15/9 STRIP SERIES METRIC
30° SPRAY TRAJECTORY

Nozzle Pattern	Pressure psi	Width x Length (ft)	Flow gpm	Precip.* in/hr
	1.0	1.2 x 4.0	0.11	46
	1.4	1.2 x 4.3	0.11	43
	1.7	1.2 x 4.3	0.14	54
	2.1	1.2 x 4.6	0.14	51
	1.0	1.2 x 7.9	0.20	42
	1.4	1.2 x 8.5	0.23	45
	1.7	1.2 x 8.5	0.25	49
	2.1	1.2 x 9.1	0.27	50
	1.0	1.2 x 7.9	0.20	42
	1.4	1.2 x 8.5	0.23	45
	1.7	1.2 x 8.5	0.25	49
	2.1	1.2 x 9.1	0.27	50
	1.0	2.7 x 4.6	0.30	48
	1.4	2.7 x 4.9	0.34	51
	1.7	2.7 x 5.5	0.36	49
	2.1	2.7 x 5.5	0.39	53

* Precipitation based on in-line, head-to-head spacing.

