MAX MPR NOZZLES

Max MPR Nozzle

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 BAR)

FLOW RANGE
0.3 - 3.7 GPM (0.1 - 0.8 m^3/hr)

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

FEATURES

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

APPLICATIONS

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


8 SERIES


10 SERIES


12 SERIES


15 SERIES


15/9 STRIP SERIES


5 STREAM/ BUBBLER SERIES

8 SERIES - 5° SPRAY TRAJECTORY

Nozzle	Arc	Pressure PSI	Radius ft.	Flow GPM	Precip. in/hr ■	Precip. in/hr ▲	Metric: Pressure BAR	Radius m	Flow m^3/hr	Precip. mm/hr ■	Precip. mm/hr ▲
8F	360°	15	5	1.2	4.62	5.33	1.0	1.5	0.27	120	139
		20	6	1.3	3.48	4.01	1.4	1.8	0.30	93	107
		25	7	1.4	2.75	3.18	1.7	2.1	0.32	73	84
		30	8	1.6	2.41	2.78	2.1	2.4	0.36	63	72
8H	180°	15	5	0.6	4.62	5.33	1.0	1.5	0.14	124	144
		20	6	0.7	3.74	4.32	1.4	1.8	0.16	99	114
		25	7	0.7	2.75	3.18	1.7	2.1	0.16	73	84
		30	8	0.8	2.41	2.78	2.1	2.4	0.18	63	72
8T	120°	15	5	0.4	4.62	5.33	1.0	1.5	0.09	120	139
		20	6	0.4	3.21	3.70	1.4	1.8	0.09	83	96
		25	7	0.5	2.95	3.40	1.7	2.1	0.11	75	86
		30	8	0.5	2.26	2.60	2.1	2.4	0.11	57	66
8Q	90°	15	5	0.3	4.62	5.33	1.0	1.5	0.07	124	144
		20	6	0.3	3.21	3.70	1.4	1.8	0.07	86	100
		25	7	0.4	3.14	3.63	1.7	2.1	0.09	82	94
		30	8	0.4	2.41	2.78	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 ▲	Metric: Pressure BAR	Radius m	Flow m^3/hr	Precip. mm/hr ■	Precip. mm/hr ▲
10F	360°	15	7	1.2	2.36	2.72	1.0	2.1	0.27	61	71
		20	8	1.3	1.96	2.26	1.4	2.4	0.30	52	60
		25	9	1.4	1.66	1.92	1.7	2.7	0.32	44	51
		30	10	1.6	1.54	1.78	2.1	3.0	0.36	40	46
10H	180°	15	7	0.6	2.36	2.72	1.0	2.1	0.14	63	73
		20	8	0.7	2.11	2.43	1.4	2.4	0.16	56	64
		25	9	0.7	1.66	1.92	1.7	2.7	0.16	44	51
		30	10	0.8	1.54	1.78	2.1	3.0	0.18	40	46
10T	120°	15	7	0.4	2.36	2.72	1.0	2.1	0.09	61	71
		20	8	0.4	1.80	2.08	1.4	2.4	0.09	47	54
		25	9	0.5	1.78	2.06	1.7	2.7	0.11	45	52
		30	10	0.5	1.44	1.67	2.1	3.0	0.11	37	42
10Q	90°	15	7	0.3	2.36	2.72	1.0	2.1	0.07	63	73
		20	8	0.3	1.80	2.08	1.4	2.4	0.07	49	56
		25	9	0.4	1.90	2.20	1.7	2.7	0.09	49	57
		30	10	0.4	1.54	1.78	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%

Save Water. Give Life.
10 gallons
given per nozzle

MAX MPR NOZZLES

12 SERIES - 30° SPRAY TRAJECTORY

Nozzle	Arc	Pressure PSI	Radius ft.	Flow GPM	Precip. in/hr ■	Precip. in/hr ▲	Metric: Pressure BAR	Radius m	Flow m^3/hr	Precip. mm/hr ■	Precip. mm/hr ▲
12F	360°	15	9	1.8	2.14	2.47	1.0	2.7	0.41	56	65
		20	10	2.1	2.02	2.33	1.4	3.0	0.48	53	62
		25	11	2.4	1.91	2.20	1.7	3.3	0.55	51	58
		30	12	2.6	1.74	2.01	2.1	3.7	0.59	43	50
12H	180°	15	9	0.9	2.14	2.47	1.0	2.7	0.20	55	63
		20	10	1.0	1.93	2.22	1.4	3.0	0.23	51	59
		25	11	1.2	1.91	2.20	1.7	3.3	0.27	50	57
		30	12	1.3	1.74	2.01	2.1	3.7	0.30	44	51
12T	120°	15	9	0.6	2.14	2.47	1.0	2.7	0.14	58	67
		20	10	0.7	2.02	2.33	1.4	3.0	0.16	53	62
		25	11	0.8	1.91	2.20	1.7	3.3	0.18	50	57
		30	12	0.9	1.80	2.08	2.1	3.7	0.20	44	51
12Q	90°	15	9	0.5	2.38	2.74	1.0	2.7	0.11	60	70
		20	10	0.5	1.93	2.22	1.4	3.0	0.11	49	56
		25	11	0.6	1.91	2.20	1.7	3.3	0.14	51	59
		30	12	0.7	1.87	2.16	2.1	3.7	0.16	47	54
12TT	240°	15	9	1.1	1.93	2.46	1.0	2.7	0.25	51	65
		20	10	1.3	1.85	2.00	1.4	3.0	0.29	48	53
		25	11	1.5	1.73	1.65	1.7	3.3	0.33	45	43
		30	12	1.6	1.59	1.39	2.1	3.7	0.37	41	35
12TQ	270°	15	9	1.3	2.07	2.46	1.0	2.7	0.30	55	65
		20	10	1.5	1.96	2.00	1.4	3.0	0.35	52	53
		25	11	1.7	1.83	1.65	1.7	3.3	0.40	49	43
		30	12	1.8	1.63	1.39	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 ▲	Metric: Pressure BAR	Radius m	Flow m^3/hr	Precip. mm/hr ■	Precip. mm/hr ▲
15F	360°	15	11	2.6	2.07	2.39	1.0	3.4	0.59	51	59
		20	12	3.0	2.01	2.32	1.4	3.7	0.68	50	57
		25	14	3.3	1.62	1.87	1.7	4.3	0.75	41	47
		30	15	3.7	1.58	1.83	2.1	4.6	0.84	40	46
15H	180°	15	11	1.3	2.07	2.39	1.0	3.4	0.30	52	60
		20	12	1.5	2.01	2.32	1.4	3.7	0.34	50	57
		25	14	1.7	1.67	1.93	1.7	4.3	0.39	42	49
		30	15	1.9	1.63	1.88	2.1	4.6	0.43	41	47
15T	120°	15	11	0.9	2.15	2.48	1.0	3.7	0.20	52	60
		20	12	1.0	2.01	2.32	1.4	3.7	0.23	50	58
		25	14	1.1	1.62	1.87	1.7	4.3	0.25	41	47
		30	15	1.2	1.54	1.78	2.1	4.6	0.27	38	44
15Q	90°	15	11	0.7	2.23	2.57	1.0	3.4	0.16	55	64
		20	12	0.8	2.14	2.47	1.4	3.7	0.18	53	61
		25	14	0.8	1.57	1.81	1.7	4.3	0.18	39	45
		30	15	0.9	1.54	1.78	2.1	4.6	0.20	38	44
15TT	240°	15	11	1.6	1.96	2.39	1.0	3.4	0.38	49	60
		20	12	1.9	1.90	2.00	1.4	3.7	0.44	48	58
		25	14	2.1	1.55	1.47	1.7	4.3	0.48	39	48
		30	15	2.3	1.47	1.28	2.1	4.6	0.53	38	46
15TQ	270°	15	11	2.1	2.24	2.39	1.0	3.4	0.49	57	60
		20	12	2.5	2.20	3.00	1.4	3.7	0.57	56	58
		25	14	2.8	1.82	1.47	1.7	4.3	0.64	46	48
		30	15	3.0	1.70	1.28	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%

15/9 STRIP SERIES - 30° SPRAY TRAJECTORY

Nozzle Pattern	Pressure PSI	W x L (ft)	Flow GPM	Precip. in/hr	Flow GPM (2)	Metric: Pressure BAR	Radius m (1)	Flow m^3/hr (2)
15EST	15	4 x 13	0.5	1.85	1.0	1.2 x 4.0	0.11	46
	20	4 x 14	0.5	1.72	1.4	1.2 x 4.3	0.11	43
	25	4 x 14	0.6	2.06	1.7	1.2 x 4.3	0.14	54
	30	4 x 15	0.6	1.93	2.1	1.2 x 4.6	0.14	51
15CST	15	4 x 26	0.9	1.67	1.0	1.2 x 7.9	0.20	42
	20	4 x 28	1.0	1.72	1.4	1.2 x 8.5	0.23	45
	25	4 x 28	1.1	1.89	1.7	1.2 x 8.5	0.25	49
	30	4 x 30	1.2	1.93	2.1	1.2 x 9.1	0.27	50
15SST	15	4 x 26	0.9	1.67	1.0	1.2 x 7.9	0.20	42
	20	4 x 28	1.0	1.72	1.4	1.2 x 8.5	0.23	45
	25	4 x 28	1.1	1.89	1.7	1.2 x 8.5	0.25	49
	30	4 x 30	1.2	1.93	2.1	1.2 x 9.1	0.27	50
9SST	15	9 x 15	1.3	1.85	1.0	2.7 x 4.6	0.30	48
	20	9 x 16	1.5	2.01	1.4	2.7 x 4.9	0.34	51
	25	9 x 18	1.6	1.90	1.7	2.7 x 5.5	0.36	49
	30	9 x 18	1.7	2.02	2.1	2.7 x 5.5	0.39	53

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

5 STREAM BUBBLER SERIES - 0° SPRAY TRAJECTORY

Nozzle Pattern	Pressure PSI	Radius (ft)	Flow GPM (2)	Metric: Pressure BAR	Radius m (1)	Flow m^3/hr (2)
5FB	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
5HB	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
5QB	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
5CST-B	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)

Save Water. Give Life.
10 gallons
given per nozzle