

Plastic MPR Nozzles

Matched Precipitation Rate Nozzles

- Matched precipitation rate across sets and across patterns in 5 series, 8 series, 10 series, 12 series and 15 series for even water distribution and design flexibility.
- 5 series nozzles meet small-area shrub or turf requirements.
- 8 series nozzles now have a lower water flow, which allows more spray heads per zone.

Features

- 1800[®] series white filter (0.035" x 0.035") screens (shipped with nozzles) maintain precise radius adjustment and prevent clogging.
 - 5 and 8 series nozzles are shipped with blue fine mesh (0.02" x 0.02") filter screens.
- Stainless steel adjustment screw to adjust flow and radius.

Operating Range

- Spacing: 3 to 20 feet
- Pressure: 15 to 30 psi
- Optimum pressure: 30 psi*

*Rain Bird recommends using 1800 PPS spray bodies to maintain optimum nozzle performance in higher pressure situations.

Models

- 5 series
- 5 series: bubbler nozzles
- 8 series
- 8 FLT series: designed for lower-trajectory applications, such as windy areas
- 10 series
- 12 series
- 15 series
- 15 strip series



HOW TO SPECIFY

1804 – 10F

NOZZLE SERIES/PATTERN

10 series MPR nozzle with full-circle pattern

MODEL

4" pop-up height

▼ Click the icons below for more information.

Country of Origin



USA

Design & Technical Resources



DRAWINGS



WRITTEN SPECS






TECH SPECS



RESOURCES





5 Series MPR

5° Trajectory

Nozzle	Pressure (psi)	Radius (ft)	Flow (gpm)	■ Precip (in/h)	▲ Precip (in/h)
5F 	15	3	0.29	2.07	2.39
	20	4	0.33	2.01	2.32
	25	4	0.37	1.62	1.87
	30	5	0.41	1.58	1.83
5H 	15	3	0.14	2.07	2.39
	20	4	0.16	2.01	2.32
	25	4	0.18	1.62	1.87
5Q 	15	3	0.07	2.07	2.39
	20	4	0.08	2.01	2.32
	25	4	0.09	1.62	1.87
	30	5	0.10	1.58	1.83





8 Series MPR

10° Trajectory

Nozzle	Pressure (psi)	Radius (ft)	Flow (gpm)	■ Precip (in/h)	▲ Precip (in/h)
8F 	15	5	0.74	1.11	1.29
	20	6	0.86	1.29	1.49
	25	7	0.96	1.44	1.67
	30	8	1.05	1.58	1.82
8H 	15	5	0.37	1.11	1.29
	20	6	0.42	1.26	1.46
	25	7	0.47	1.41	1.63
8T 	15	5	0.25	1.13	1.30
	20	6	0.29	1.31	1.51
	25	7	0.32	1.44	1.67
8Q 	15	5	0.18	1.08	1.25
	20	6	0.21	1.26	1.46
	25	7	0.24	1.44	1.67
	30	8	0.26	1.56	1.81

10 Series MPR

15° Trajectory

Nozzle	Pressure (psi)	Radius (ft)	Flow (gpm)	■ Precip (in/h)	▲ Precip (in/h)
10F 	15	7	1.16	2.28	2.63
	20	8	1.30	1.96	2.26
	25	9	1.44	1.71	1.98
	30	10	1.58	1.52	1.75
10H 	15	7	0.58	2.28	2.63
	20	8	0.65	1.96	2.26
	25	9	0.72	1.71	1.98
10T 	15	7	0.39	2.28	2.63
	20	8	0.43	1.96	2.26
	25	9	0.48	1.71	1.98
10Q 	15	7	0.29	2.28	2.63
	20	8	0.33	1.96	2.26
	25	9	0.36	1.71	1.98
	30	10	0.39	1.52	1.75

Note: All MPR nozzles tested on 4" pop-ups. Specify spray body and nozzles separately. Radius reduction over 25% of the normal throw of the nozzles is not recommended.

- Square spacing based on 50% diameter of throw.
- ▲ Triangular spacing based on 50% diameter of throw.






Performance data taken in zero wind conditions.

◀ BACK

▶ TABLE OF CONTENTS






12 Series MPR

30° Trajectory

Nozzle	Pressure (psi)	Radius (ft)	Flow (gpm)	■ Precip (in/h)	▲ Precip (in/h)
	15	9	1.80	2.14	2.47
	20	10	2.10	2.02	2.34
	25	11	2.40	1.91	2.21
	30	12	2.60	1.74	2.01
	15	9	1.35	2.14	2.47
	20	10	1.58	2.02	2.34
	25	11	1.80	1.91	2.21
	30	12	1.95	1.74	2.01
	15	9	0.90	2.14	2.47
	20	10	1.05	2.02	2.34
	25	11	1.20	1.91	2.21
	30	12	1.30	1.74	2.01
	15	9	0.60	2.14	2.47
	20	10	0.70	2.02	2.34
	25	11	0.80	1.91	2.21
	30	12	0.87	1.74	2.01
	15	9	0.45	2.14	2.47
	20	10	0.53	2.02	2.34
	25	11	0.60	1.91	2.21
	30	12	0.65	1.74	2.01







15 Series MPR

30° Trajectory

Nozzle	Pressure (psi)	Radius (ft)	Flow (gpm)	■ Precip (in/h)	▲ Precip (in/h)
	15	5	0.74	2.07	2.39
	20	6	0.86	2.01	2.32
	25	7	0.96	1.62	1.87
	30	8	1.05	1.58	1.83
	15	5	0.74	2.07	2.39
	20	6	0.86	2.01	2.32
	25	7	0.96	1.62	1.87
	30	8	1.05	1.58	1.83
	15	5	0.74	2.07	2.39
	20	6	0.86	2.01	2.32
	25	7	0.96	1.62	1.87
	30	8	1.05	1.58	1.83
	15	5	0.74	2.07	2.39
	20	6	0.86	2.01	2.32
	25	7	0.96	1.62	1.87
	30	8	1.05	1.58	1.83
	15	5	0.74	2.07	2.39
	20	6	0.86	2.01	2.32
	25	7	0.96	1.62	1.87
	30	8	1.05	1.58	1.83





15 Strip Series

30° Trajectory

Nozzle	Pressure (psi)	W x L (ft)	Flow (gpm)
	15	4 x 13	0.45
	20	4 x 14	0.50
	25	4 x 14	0.56
	30	4 x 15	0.61
	15	4 x 26	0.89
	20	4 x 28	1.00
	25	4 x 28	1.11
	30	4 x 30	1.21
	15	3 x 11	0.35
	20	3 x 12	0.40
	25	4 x 14	0.45
	30	4 x 15	0.49
	15	3 x 11	0.35
	20	3 x 12	0.40
	25	4 x 14	0.45
	30	4 x 15	0.49
	15	4 x 26	0.89
	20	4 x 28	1.00
	25	4 x 28	1.11
	30	4 x 30	1.21
	15	9 x 15	1.34
	20	9 x 16	1.47
	25	9 x 18	1.60
	30	9 x 18	1.73

5 Series MPR Bubbler Nozzles

0° Trajectory

Nozzle	Pressure (psi)	Radius (ft)	Flow (gpm)
	15	5	1.50
	20	5	1.50
	25	5	1.50
	30	5	1.50
	15	5	1.00
	20	5	1.00
	25	5	1.00
	30	5	1.00
	15	5	0.50
	20	5	0.50
	25	5	0.50
	30	5	0.50
	15	5	0.50
	20	5	0.50
	25	5	0.50
	30	5	0.50

Note: Indicates adjusted radius at psi shown. Flow at adjust radius of 5 feet.

8 FLT Series MPR

5° Trajectory

Nozzle	Pressure (psi)	Radius (ft)	Flow (gpm)	■ Precip (in/h)	▲ Precip (in/h)
	15	6	0.56	3.36	3.88
	20	7	0.65	2.91	3.36
	25	7	0.72	2.60	3.01
	30	8	0.79	2.38	2.75
	15	6	0.28	3.32	3.83
	20	7	0.32	2.87	3.32
	25	7	0.36	2.57	2.97
	30	8	0.39	2.35	2.71

Click the icon for more information.



RESOURCES

← BACK

TABLE OF CONTENTS