

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 RT 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



Design & Technical Resources



DRAWINGS




WRITTEN SPECS

TECH SPECS

RESOURCES





5 Series MPR

3" 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

1" 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

1.5" 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
10I 	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 nozzle separately. Radius reduction over 15% of the normal throw of the nozzle is not recommended.

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

Performance data taken in 2000 under standard conditions.

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