

### MPR Spray Nozzles

Matched Precipitation Rate Nozzles

#### Features

- Matched precipitation rates across sets and patterns in 5 Series, 8 Series, 10 Series, 12 Series, and 15 Series for even water distribution and design flexibility
- MPR Nozzles are installed by more contractors than all other brands combined
- Quickly identify radius and arc with Top Color-coded™ nozzles even when system is not operating
- Three year trade warranty

#### Operating Range

- Spacing: 3 to 15 feet (0.9 to 4.6 m)<sup>1</sup>
- Pressure: 15 to 30 psi (1 to 2.1 bar)
- Optimum pressure: 30 psi (2.1 bar)<sup>2</sup>

#### Models

- 5 Series: Quarter, Half, Full Nozzles
- 5 Series: Bubbler Nozzles
- 8 Series: Quarter, Half, Full Nozzles
- 8 FLT Series: Designed for lower trajectory applications, such as windy areas
- 10 Series Nozzles
- 12 Series Nozzles
- 15 Series: Quarter, Half, Full Nozzles
- 15 Strip Series Nozzles

<sup>1</sup> These ranges are based on proper pressure at nozzle.

<sup>2</sup> Rain Bird recommends using 1800 PRS Spray Bodies to maintain optimum nozzle performance in higher pressure situations.

Spray Nozzles



Rain Bird® MPR Nozzles, The Industry Standard



MPR Nozzle and Screen




#### How to Specify

5 F

Pattern  
F: Full  
H: Half  
Q: Quarter

MPR Radius Range  
5: 3-5 feet (1.1-1.5 m)  
8: 5-8 feet (1.7-2.4 m)  
10: 7-10 feet (2.1-3.1)  
12: 19-2 feet (2.7-3.7 m)  
15: 11-15 feet (3.4-4.6 m)

#### 5 Series MPR

5° Trajectory					
Nozzle	Pressure psi	Radius ft.	Flow gpm	Precip In/h	Precip In/h
5F 	15	3	0.29	3.10	3.58
	20	4	0.33	1.99	2.29
	25	4	0.37	2.23	2.57
	30	5	0.41	1.58	1.83
5H 	15	3	0.14	3.00	3.46
	20	4	0.16	1.93	2.22
	25	4	0.18	2.17	2.50
	30	5	0.20	1.54	1.78
5Q 	15	3	0.07	3.00	3.46
	20	4	0.08	1.93	2.22
	25	4	0.09	2.17	2.50
	30	5	0.10	1.54	1.78




**Note:** All MPR nozzles tested on 4" (10.2 cm) pop-ups

■ Square spacing based on 50% diameter of throw

▲ Triangular spacing based on 50% diameter of throw

#### 5 Series MPR

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5° Trajectory						
Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	Precip mm/h	Precip mm/h
5F 	1.0	1.1	0.06	1.1	79	91
	1.5	1.3	0.08	1.4	51	58
	2.0	1.5	0.09	1.6	57	65
	2.1	1.5	0.09	1.6	40	46
5H 	1.0	1.1	0.03	0.5	76	88
	1.5	1.3	0.04	0.7	49	56
	2.0	1.5	0.04	0.7	55	64
	2.1	1.5	0.05	0.9	39	45
5Q 	1.0	1.1	0.02	0.4	76	88
	1.5	1.3	0.02	0.4	49	56
	2.0	1.5	0.02	0.4	55	64
	2.1	1.5	0.02	0.4	39	45

Performance data taken in zero wind conditions

**Note:** Radius reduction over 25% of the normal throw of the nozzle is not recommended