

## 5000/5000 Plus MPR Nozzles

### Achieve Matched Precipitation Rate Between 25' and 35'

Rain Bird 5000/5000 Plus MPR Nozzles simplify both the design process and the installation of rotors, because they reliably deliver matched precipitation rates within and between rotor radii from 25' to 35'. Without having to use fixed arc plates, designers and installers can achieve MPR using either 5000 Series or 5000 Plus Series Rotors. Superior flexibility in arc adjustment minimizes the risks of over- or under-watering.

#### Features

- Three Nozzle trees of 25', 30', and 35' (7,6 m, 9,1 m, 10,7 m) radii
- Each tree contains a Q (90°), T (120°), H (180°), and F (360°) Nozzle
- No fixed arc plate required
- Compatible with both the 5000 and 5000 Plus Rotor Series
- Rain Curtain™ Technology provides:
  - Large droplets for consistent performance
  - Effective close-in watering
  - Even distribution over the entire radius
- Precipitation rate of 0.60 in/hr (15,2 mm/hr) reduces run-off and erosion
- Color-coded by radius for easy identification
- Nozzles are easy to insert and remove
- Stackable Nozzle trees for convenient storage

#### How to Specify

##### 5000-MPR-25-Q

#### Model

Rotor

#### Nozzle

Matched  
Precipitation  
Rate

#### Pattern

Q=Quarter  
T=Third  
H=Half  
F=Full

#### Radius Range

25'  
30'  
35'

#### Models

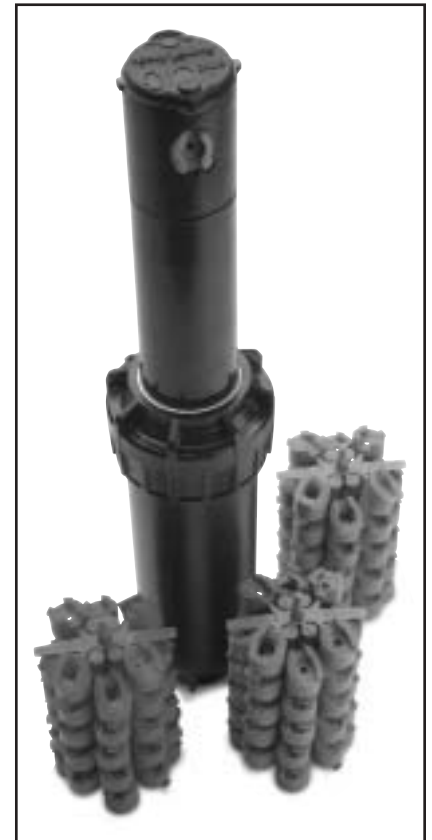
- 5000-MPR-25: Tree of nozzles for 25-foot radius with Q, T, H, F Nozzles attached
- 5000-MPR-30: Tree of nozzles for 30-foot radius with Q, T, H, F Nozzles attached
- 5000-MPR-35: Tree of nozzles for 35-foot radius with Q, T, H, F Nozzles attached

#### 5000-MPR-25 (Red)

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip In/h	Precip In/h
Quarter	25	23	0.74	0.54	0.62
	35	24	0.88	0.59	0.68
	45	25	1.00	0.62	0.71
	55	25	1.11	0.68	0.79
Third	25	23	1.00	0.55	0.63
	35	24	1.21	0.61	0.70
	45	25	1.38	0.64	0.74
	55	25	1.53	0.71	0.82
Half	25	23	1.44	0.52	0.61
	35	24	1.73	0.58	0.67
	45	25	1.98	0.61	0.70
	55	25	2.21	0.68	0.79
Full	25	23	2.78	0.51	0.58
	35	24	3.34	0.56	0.64
	45	25	3.82	0.59	0.68
	55	25	4.25	0.65	0.76
65	25	4.63	0.71	0.82	

#### 5000-MPR-30 (Green)

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip In/h	Precip In/h
Quarter	25	29	1.03	0.47	0.54
	35	30	1.23	0.53	0.61
	45	30	1.40	0.60	0.69
	55	30	1.56	0.67	0.77
Third	25	29	1.34	0.46	0.53
	35	30	1.62	0.52	0.60
	45	30	1.85	0.59	0.69
	55	30	2.06	0.66	0.76
Half	25	29	2.24	0.72	0.83
	35	30	2.15	0.49	0.57
	45	30	2.59	0.55	0.64
	55	30	2.96	0.63	0.73
Full	25	30	3.30	0.71	0.82
	35	30	3.60	0.77	0.89
	45	30	4.24	0.49	0.56
	55	30	5.08	0.54	0.63
65	30	5.78	0.62	0.71	
65	30	6.39	0.68	0.79	
65	30	6.92	0.74	0.85	



#### 5000-MPR-35 (Beige)

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip In/h	Precip In/h
Quarter	25	32	1.40	0.53	0.61
	35	34	1.67	0.56	0.64
	45	35	1.92	0.60	0.70
	55	35	2.13	0.67	0.77
Third	25	32	2.31	0.73	0.84
	35	34	2.15	0.54	0.62
	45	35	2.46	0.58	0.67
	55	35	2.74	0.65	0.75
Half	25	35	2.99	0.70	0.81
	25	32	2.75	0.52	0.60
	35	34	3.33	0.55	0.64
	45	35	3.81	0.60	0.69
Full	25	35	4.23	0.66	0.77
	35	34	4.62	0.73	0.84
	25	32	5.36	0.50	0.58
	35	34	6.62	0.55	0.64
45	35	7.58	0.60	0.69	
55	35	8.43	0.66	0.76	
65	35	9.18	0.72	0.83	

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.



## Specifications

The MPR Nozzle shall be capable of covering a \_\_\_\_foot radius (FT.RAD.)/(meter) at \_\_\_\_pounds per square inch (psi)/(Bars) with a discharge rate of \_\_\_\_gallons per minute (GPM)/(m<sup>3</sup>/h,l/s).

The MPR Nozzle shall have a matched precipitation rate of 0.6 in/hr (15 mm/h) at 45 psi (3,1 bar).

The MPR Nozzle shall be color-coded by radius. The MPR Nozzle shall contain Micro Ramp™ technology for superior close-in watering.

The MPR Nozzle shall be manufactured by Rain Bird Corp., Azusa, California.



### 5000-MPR-25 (Red)

Metric		■	▲				
Nozzle	Pressure Bars	Radius m	Flow m <sup>3</sup> /h	Flow l/s	Precip mm/h	Precip mm/h	
Quarter	1,7	7,0	0,17	0,05	13,7	15,8	
	2,4	7,3	0,20	0,06	14,9	17,3	
	3,1	7,6	0,23	0,06	15,6	18,1	
	3,8	7,6	0,25	0,07	17,4	20,1	
4,5	7,6	0,27	0,08	18,9	21,9		
Third	1,7	7,0	0,23	0,06	13,9	16,0	
	2,4	7,3	0,27	0,08	15,4	17,8	
	3,1	7,6	0,31	0,09	16,2	18,7	
	3,8	7,6	0,35	0,10	18,0	20,7	
4,5	7,6	0,38	0,11	19,6	22,6		
Half	1,7	7,0	0,33	0,09	13,3	15,4	
	2,4	7,3	0,39	0,11	14,7	17,0	
	3,1	7,6	0,45	0,12	15,5	17,9	
	3,8	7,6	0,50	0,14	17,3	20,0	
4,5	7,6	0,55	0,15	18,9	21,8		
Full	1,7	7,0	0,63	0,18	12,8	14,8	
	2,4	7,3	0,76	0,21	14,2	16,4	
	3,1	7,6	0,87	0,24	14,9	17,3	
	3,8	7,6	0,97	0,27	16,6	19,2	
4,5	7,6	1,05	0,29	18,1	20,9		

### 5000-MPR-30 (Green)

Metric		■	▲				
Nozzle	Pressure Bars	Radius m	Flow m <sup>3</sup> /h	Flow l/s	Precip mm/h	Precip mm/h	
Quarter	1,7	8,8	0,23	0,06	12,0	13,8	
	2,4	9,1	0,28	0,08	13,4	15,4	
	3,1	9,1	0,32	0,09	15,2	17,6	
	3,8	9,1	0,35	0,10	17,0	19,6	
4,5	9,1	0,38	0,11	18,4	21,2		
Third	1,7	8,8	0,30	0,08	11,7	13,5	
	2,4	9,1	0,37	0,10	13,2	15,2	
	3,1	9,1	0,42	0,12	15,1	17,4	
	3,8	9,1	0,47	0,13	16,8	19,4	
4,5	9,1	0,51	0,14	18,3	21,1		
Half	1,7	8,8	0,49	0,14	12,5	14,4	
	2,4	9,1	0,59	0,16	14,1	16,2	
	3,1	9,1	0,67	0,19	16,1	18,6	
	3,8	9,1	0,75	0,21	17,9	20,7	
4,5	9,1	0,82	0,23	19,6	22,6		
Full	1,7	8,8	0,96	0,27	12,3	14,2	
	2,4	9,1	1,15	0,32	13,8	15,9	
	3,1	9,1	1,31	0,36	15,7	18,1	
	3,8	9,1	1,45	0,40	17,4	20,0	
4,5	9,1	1,57	0,44	18,8	21,7		

### 5000-MPR-35 (Beige)

Metric		■	▲				
Nozzle	Pressure Bars	Radius m	Flow m <sup>3</sup> /h	Flow l/s	Precip mm/h	Precip mm/h	
Quarter	1,7	9,8	0,32	0,09	13,4	15,4	
	2,4	10,4	0,38	0,11	14,1	16,3	
	3,1	10,7	0,44	0,12	15,3	17,7	
	3,8	10,7	0,48	0,13	17,0	19,6	
4,5	10,7	0,52	0,15	18,4	21,3		
Third	1,7	9,8	0,40	0,11	12,7	14,6	
	2,4	10,4	0,49	0,14	13,6	15,8	
	3,1	10,7	0,56	0,16	14,7	17,0	
	3,8	10,7	0,62	0,17	16,4	18,9	
4,5	10,7	0,68	0,19	17,9	20,7		
Half	1,7	9,8	0,62	0,17	13,1	15,2	
	2,4	10,4	0,76	0,21	14,1	16,3	
	3,1	10,7	0,87	0,24	15,2	17,6	
	3,8	10,7	0,96	0,27	16,9	19,5	
4,5	10,7	1,05	0,29	18,4	21,3		
Full	1,7	9,8	1,22	0,34	12,8	14,8	
	2,4	10,4	1,50	0,42	14,0	16,2	
	3,1	10,7	1,72	0,48	15,1	17,5	
	3,8	10,7	1,91	0,53	16,8	19,4	
4,5	10,7	2,09	0,58	18,3	21,2		

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

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