

# MP ROTATOR® MP800

Radius: 6' to 24'

0.8  
in/hr

The MP800 Nozzle offers a higher precipitation rate designed for small spaces and heavier water applications.

## KEY BENEFITS

- Precipitation rate of approximately 0.8 in/hr for spray retrofit applications
- Automatic matched precipitation for simplified irrigation design and flexibility
- Double-pop feature protects the nozzle from external debris
- High distribution uniformity for a healthy landscape with maximum water efficiency

## ADDITIONAL FEATURES

- Wind-resistant, multi-stream technology prevents misting
- For vandal resistance, the arc is adjustable only when the MP Rotator Nozzle is running
- Removable filter screen prevents nozzle clogging
- Color-coded for easy identification

## OPERATING SPECIFICATIONS

- Radius reduction up to approximately 25% on all models
- Recommended operating pressure: 40 PSI
- Minimum radius setting achieved at 30 PSI
- Filtration recommended on dirty water applications
- Warranty period: 3 years

## OPTIONS

- Pair with Pro-Spray® PRS40 Sprinkler Body for pressure regulation to 40 PSI for nominal radius settings
- Pair with Pro-Spray PRS30 Sprinkler Body for pressure regulation to 30 PSI for minimum radius settings

### MP-800SR: 6' to 12' radius



**MP-800SR-90**  
90° to 210°



**MP-800SR-360**  
360°

### MP-815: 8' to 16' radius



**MP-815-90**  
90° to 210°



**MP-815-210**  
210° to 270°



**MP-815-360**  
360°

### MP-820: 15' to 24' radius



**MP-820-90**  
90° to 210°



**MP-820-210**  
210° to 270°



**MP-820-360**  
360°

MP-800SR-90



MP-815-90



**MP ROTATOR NOZZLE PERFORMANCE DATA**

**MP-800SR**

Radius: 6' to 12'  
Adjustable Arc and Full-Circle  
● Orange and Gray: 90° to 210°  
● Lime Green and Gray: 360°

**MP-815**

Radius: 8' to 16'  
Adjustable Arc and Full-Circle  
● Maroon and Gray: 90° to 210°  
● Lt. Blue and Gray: 210° to 270°  
● Olive and Gray: 360°

**MP-820**

Radius: 15' to 24'  
Adjustable Arc and Full-Circle  
● Black and Gray: 90° to 210°  
● Green and Gray: 210° to 270°  
● Red and Gray: 360°

| Arc   | Pressure<br>PSI | MIN RADIUS   |             | MAX RADIUS   |             |              |             |              |             |              |             |              |             |              |             |
|---|-----------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
|   |                 | Radius<br>ft | Flow<br>GPM | Radius<br>ft | Flow<br>GPM | Precip in/hr |             | Radius<br>ft | Flow<br>GPM | Precip in/hr |             | Radius<br>ft | Flow<br>GPM | Precip in/hr |             |
| 90°<br>    | 30              | 6            | 0.13        | 8            | 0.17        | 0.90         | 1.04        | 14           | 0.42        | 0.83         | 0.95        | 20           | 0.85        | 0.82         | 0.94        |
|   | 35              | 7            | 0.15        | 9            | 0.21        | 0.89         | 1.03        | 15           | 0.46        | 0.79         | 0.91        | 21           | 0.93        | 0.81         | 0.94        |
|   | <b>40</b>       | <b>8</b>     | <b>0.16</b> | <b>10</b>    | <b>0.23</b> | <b>0.83</b>  | <b>0.96</b> | <b>15</b>    | <b>0.49</b> | <b>0.84</b>  | <b>0.97</b> | <b>22</b>    | <b>0.97</b> | <b>0.77</b>  | <b>0.89</b> |
|   | 45              | 8            | 0.18        | 11           | 0.25        | 0.80         | 0.92        | 16           | 0.52        | 0.78         | 0.90        | 23           | 1.06        | 0.77         | 0.89        |
|   | 50              | 9            | 0.19        | 11           | 0.27        | 0.79         | 0.92        | 16           | 0.55        | 0.83         | 0.96        | 24           | 1.11        | 0.74         | 0.85        |
|   | 55              | 10           | 0.20        | 12           | 0.28        | 0.80         | 0.93        | 16           | 0.58        | 0.87         | 1.01        | 24           | 1.16        | 0.77         | 0.89        |
| 180°<br>   | 30              | 6            | 0.26        | 8            | 0.33        | 0.88         | 1.02        | 13           | 0.75        | 0.85         | 0.99        | 20           | 1.72        | 0.83         | 0.96        |
|   | 35              | 7            | 0.29        | 9            | 0.38        | 0.85         | 0.99        | 14           | 0.86        | 0.84         | 0.98        | 21           | 1.82        | 0.79         | 0.91        |
|   | <b>40</b>       | <b>8</b>     | <b>0.32</b> | <b>10</b>    | <b>0.42</b> | <b>0.81</b>  | <b>0.93</b> | <b>15</b>    | <b>0.93</b> | <b>0.80</b>  | <b>0.92</b> | <b>22</b>    | <b>2.01</b> | <b>0.80</b>  | <b>0.92</b> |
|   | 45              | 8            | 0.36        | 11           | 0.46        | 0.77         | 0.88        | 15           | 0.96        | 0.82         | 0.95        | 22           | 2.06        | 0.82         | 0.95        |
|   | 50              | 9            | 0.38        | 11           | 0.48        | 0.76         | 0.88        | 16           | 1.06        | 0.80         | 0.92        | 23           | 2.21        | 0.80         | 0.93        |
|   | 55              | 10           | 0.40        | 12           | 0.50        | 0.73         | 0.84        | 16           | 1.11        | 0.83         | 0.96        | 24           | 2.36        | 0.79         | 0.91        |
| 210°<br>   | 30              | 6            | 0.30        | 8            | 0.35        | 0.80         | 0.93        | 13           | 0.88        | 0.86         | 0.99        | 20           | 1.94        | 0.80         | 0.92        |
|   | 35              | 7            | 0.34        | 9            | 0.38        | 0.77         | 0.89        | 14           | 0.96        | 0.81         | 0.93        | 21           | 2.10        | 0.78         | 0.91        |
|   | <b>40</b>       | <b>8</b>     | <b>0.37</b> | <b>10</b>    | <b>0.43</b> | <b>0.81</b>  | <b>0.91</b> | <b>15</b>    | <b>1.10</b> | <b>0.81</b>  | <b>0.93</b> | <b>22</b>    | <b>2.36</b> | <b>0.81</b>  | <b>0.93</b> |
|   | 45              | 8            | 0.42        | 10           | 0.45        | 0.82         | 0.95        | 15           | 1.16        | 0.85         | 0.98        | 22           | 2.39        | 0.81         | 0.94        |
|   | 50              | 9            | 0.44        | 11           | 0.49        | 0.73         | 0.85        | 16           | 1.24        | 0.80         | 0.92        | 23           | 2.52        | 0.79         | 0.91        |
|   | 55              | 10           | 0.47        | 12           | 0.56        | 0.70         | 0.81        | 16           | 1.30        | 0.84         | 0.97        | 24           | 2.66        | 0.76         | 0.88        |
| 270°<br> | 30              |              |             |              |             |              |             | 13           | 1.14        | 0.87         | 1.00        | 20           | 2.53        | 0.81         | 0.94        |
|   | 35              |              |             |              |             |              |             | 14           | 1.24        | 0.81         | 0.94        | 21           | 2.74        | 0.80         | 0.92        |
|   | <b>40</b>       |              |             |              |             |              |             | <b>15</b>    | <b>1.40</b> | <b>0.80</b>  | <b>0.92</b> | <b>22</b>    | <b>3.00</b> | <b>0.80</b>  | <b>0.92</b> |
|   | 45              |              |             |              |             |              |             | 15           | 1.47        | 0.84         | 0.97        | 22           | 3.12        | 0.83         | 0.95        |
|   | 50              |              |             |              |             |              |             | 16           | 1.54        | 0.77         | 0.89        | 23           | 3.30        | 0.80         | 0.93        |
|   | 55              |              |             |              |             |              |             | 16           | 1.61        | 0.81         | 0.93        | 24           | 3.48        | 0.78         | 0.90        |
| 360°<br> | 30              | 6            | 0.47        | 8            | 0.66        | 0.89         | 1.03        | 13           | 1.52        | 0.87         | 1.00        | 20           | 3.40        | 0.82         | 0.94        |
|   | 35              | 7            | 0.52        | 9            | 0.71        | 0.80         | 0.92        | 14           | 1.70        | 0.83         | 0.96        | 21           | 3.68        | 0.80         | 0.93        |
|   | <b>40</b>       | <b>8</b>     | <b>0.56</b> | <b>10</b>    | <b>0.78</b> | <b>0.79</b>  | <b>0.91</b> | <b>15</b>    | <b>1.87</b> | <b>0.80</b>  | <b>0.92</b> | <b>22</b>    | <b>3.97</b> | <b>0.79</b>  | <b>0.91</b> |
|   | 45              | 8            | 0.59        | 10           | 0.85        | 0.78         | 0.90        | 15           | 2.00        | 0.86         | 0.99        | 22           | 4.08        | 0.81         | 0.94        |
|   | 50              | 9            | 0.63        | 11           | 0.88        | 0.73         | 0.85        | 16           | 2.13        | 0.80         | 0.92        | 23           | 4.30        | 0.78         | 0.90        |
|   | 55              | 10           | 0.70        | 12           | 0.98        | 0.70         | 0.81        | 16           | 2.26        | 0.85         | 0.98        | 24           | 4.53        | 0.76         | 0.87        |

**Bold** = Optimal pressure for the MP Rotator Nozzle is 40 PSI. This can easily be achieved by using it with the pressure-regulated Pro-Spray PRS40 Sprinkler Body at 40 PSI.

**MP-820-90**



Compatible with:



HY Filter for MP-800SR



PRS30 and PRS40