



Easy radius adjustment
El alcance se ajusta fácilmente



Easy arc adjustment
El sector se ajusta fácilmente



*Built-in slip clutch prevents damage from over adjustment.

*Mecanismo dentado integrado para prevenir daños al ajustar.

**Built-in ratchet permits left edge alignment.

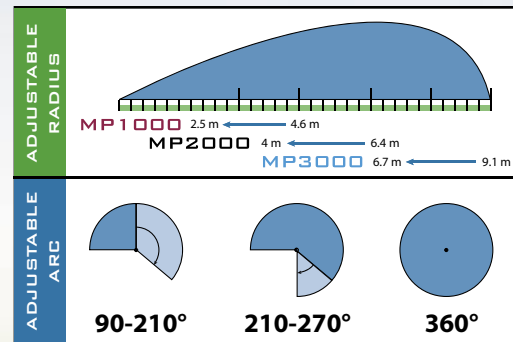
**El mecanismo dentado integrado permite ajustar el borde izquierdo.



MP ROTATOR®

THE IDEAL 2.5-9 M SOLUTION

Maintain Matched Precipitation — Any Arc, Any Radius.
All MP Rotator® sprinklers can be combined on the same zone for greater design and installation flexibility.



WATER CONSERVATION

MP Rotators are more efficient* than sprays because they apply water more slowly and evenly. In fact, you **use 30% less water** even though you run MP Rotators about twice as long as sprays. See below for comparison at 2 bar with half-circle operation:

15H Spray Nozzle 420 liters/hour x 10 minute run time = 70 liters

MP2000 90-210° 143 liters/hour x 20 minute run time = 48 liters

SAVINGS = 22 liters or 31%

LOWER SYSTEM COST

The good news about applying water more slowly and evenly is that MP Rotators lower your system costs. You can run more heads off your water meter and reduce the number of zones required. In many cases, you can use smaller pipe. See below for comparison at 2 bar with half-circle operation:

| Max. Safe Flow (LPH) | Max. # 15H Sprays | Max. # MP2000s |
|----------------------|-------------------|----------------|
| 3500 | 8 | 24 |
| 5000 | 12 | 35 |
| 8500 | 20 | 59 |

*Visit www.mprotator.com for documentation.

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MP ROTATOR*

A Matched Precipitation Sprinkler for Turf & Landscape

INSTALLATION TIPS

- Always hand-tighten the MP Rotator securely to the pop-up stem so arc setting does not change.
- When adjusting the arc, use the built-in ratchet feature to align the left-edge. While water is on, use orange tool to ratchet past the left stop or the right stop until the left edge is aligned.
- MP Rotators are like rotors and not spray heads when it comes to station run times. The application rate is about 1 cm per hour so make sure you at least double your run times when doing a spray head retrofit.

Consejos prácticos de instalación

- Siempre aprete el MP Rotator manualmente en el vástago para que no cambie el sector.
- Al ajuste del sector, use el mecanismo dentado integrado para ajustar el borde izquierdo. Con el MP Rotator bajo presión, utilice la llave anaranjada para sobrepasar los puntos de resistencia a la izquierda o a la derecha hasta que esté alineado el borde izquierdo.
- El tiempo de funcionamiento por estación de los MP Rotators es similar a las turbinas – y no a los difusores. La pluviometría es de 1 cm, así que tiene que asegurarse de que por lo menos dobla el tiempo de funcionamiento cuando cambia los difusores por MP Rotators.

| Arc Setting | MP1000* | | |
|-------------|---------|----------|-----|
| | bar | Rad. (M) | LPH |
| 90° | 2.00 | 3.7 | 36 |
| | 2.50 | 4.0 | 41 |
| | 3.00 | 4.3 | 44 |
| | 3.50 | 4.4 | 47 |
| | 3.75 | 4.6 | 49 |
| 180° | 2.00 | 3.7 | 72 |
| | 2.50 | 4.0 | 81 |
| | 3.00 | 4.3 | 88 |
| | 3.50 | 4.4 | 94 |
| | 3.75 | 4.6 | 97 |
| 210° | 2.00 | 3.7 | 85 |
| | 2.50 | 4.0 | 95 |
| | 3.00 | 4.3 | 102 |
| | 3.50 | 4.4 | 109 |
| | 3.75 | 4.6 | 113 |
| 270° | 2.00 | 3.7 | 141 |
| | 2.50 | 4.0 | 160 |
| | 3.00 | 6.1 | 174 |
| | 3.50 | 6.4 | 189 |
| | 3.75 | 6.4 | 193 |
| 360° | 2.00 | 5.2 | 165 |
| | 2.50 | 5.5 | 185 |
| | 3.00 | 6.1 | 205 |
| | 3.50 | 6.4 | 222 |
| | 3.75 | 6.4 | 228 |
| 360° | 2.00 | 5.2 | 212 |
| | 2.50 | 5.5 | 238 |
| | 3.00 | 6.1 | 261 |
| | 3.50 | 6.4 | 282 |
| | 3.75 | 6.4 | 293 |
| 360° | 2.00 | 5.2 | 283 |
| | 2.50 | 5.5 | 317 |
| | 3.00 | 6.1 | 348 |
| | 3.50 | 6.4 | 375 |
| | 3.75 | 6.4 | 384 |
| 360° | 2.00 | 3.5 | 144 |
| | 2.50 | 4.0 | 161 |
| | 3.00 | 4.3 | 177 |
| | 3.50 | 4.4 | 190 |
| | 3.75 | 4.5 | 195 |

| Arc Setting | MP2000* | | |
|-------------|---------|----------|-----|
| | bar | Rad. (M) | LPH |
| 90-210° | 2.00 | 5.5 | 74 |
| | 2.50 | 5.8 | 86 |
| | 3.00 | 6.4 | 94 |
| | 3.50 | 6.7 | 101 |
| | 3.75 | 6.7 | 106 |
| 90-210° | 2.00 | 5.2 | 141 |
| | 2.50 | 5.5 | 160 |
| | 3.00 | 6.1 | 174 |
| | 3.50 | 6.4 | 189 |
| | 3.75 | 6.4 | 193 |
| 210-270° | 2.00 | 5.2 | 165 |
| | 2.50 | 5.5 | 185 |
| | 3.00 | 6.1 | 205 |
| | 3.50 | 6.4 | 222 |
| | 3.75 | 6.4 | 228 |
| 210-270° | 2.00 | 5.2 | 212 |
| | 2.50 | 5.5 | 238 |
| | 3.00 | 6.1 | 261 |
| | 3.50 | 6.4 | 282 |
| | 3.75 | 6.4 | 293 |
| 360° | 2.00 | 5.2 | 283 |
| | 2.50 | 5.5 | 317 |
| | 3.00 | 6.1 | 348 |
| | 3.50 | 6.4 | 375 |
| | 3.75 | 6.4 | 384 |

| Arc Setting | MP3000** | | |
|-------------|----------|----------|-----|
| | bar | Rad. (M) | LPH |
| 90-210° | 2.00 | 8.2 | 166 |
| | 2.50 | 8.5 | 185 |
| | 3.00 | 9.1 | 203 |
| | 3.50 | 9.1 | 220 |
| | 3.75 | 9.1 | 228 |
| 90-210° | 2.00 | 8.2 | 353 |
| | 2.50 | 8.5 | 393 |
| | 3.00 | 9.1 | 431 |
| | 3.50 | 9.1 | 466 |
| | 3.75 | 9.1 | 481 |
| 210-270° | 2.00 | 8.2 | 411 |
| | 2.50 | 8.5 | 459 |
| | 3.00 | 9.1 | 502 |
| | 3.50 | 9.1 | 542 |
| | 3.75 | 9.1 | 562 |
| 210-270° | 2.00 | 8.2 | 530 |
| | 2.50 | 8.5 | 589 |
| | 3.00 | 9.1 | 646 |
| | 3.50 | 9.1 | 701 |
| | 3.75 | 9.1 | 727 |
| 360° | 2.00 | 8.2 | 703 |
| | 2.50 | 8.5 | 786 |
| | 3.00 | 9.1 | 862 |
| | 3.50 | 9.1 | 931 |
| | 3.75 | 9.1 | 964 |

Radius measured on a 10 cm high riser.

*To obtain full radius reduction for the MP1000 and MP2000, operate at a maximum of 2 bar.

** When operating the MP3000 at full radius reduction maintain a minimum pressure of 2.8 bar to assure reliable operation.

| Arc Setting | MP CORNER | | |
|-------------|-----------|----------|-----|
| | bar | Rad. (M) | LPH |
| 45° | 2.00 | 3.5 | 36 |
| | 2.50 | 4.0 | 41 |
| | 3.00 | 4.3 | 44 |
| | 3.50 | 4.4 | 47 |
| | 3.75 | 4.5 | 49 |
| 90° | 2.00 | 3.5 | 76 |
| | 2.50 | 4.0 | 84 |
| | 3.00 | 4.3 | 94 |
| | 3.50 | 4.4 | 100 |
| | 3.75 | 4.5 | 104 |
| 105° | 2.00 | 3.5 | 89 |
| | 2.50 | 4.0 | 98 |
| | 3.00 | 4.3 | 110 |
| | 3.50 | 4.4 | 117 |
| | 3.75 | 4.5 | 120 |

