



MP ROTATOR®

THE IDEAL 2.5-9 M
SOLUTION

Auckland NZ
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Distributed by: **aquaspec**
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MP ROTATOR®

The MP Rotator. A revolutionary sprinkler setting a new standard for water efficiency in the turf & landscape industry. It is a multi-

stream rotor the size of a spray nozzle. It fits any conventional spray head body or shrub adapter, transforming it into a high uniformity, low precipitation rate sprinkler with matched precipitation even after arc and radius adjustment.

*patented
"double pop"
keeps sprinkler
free from
external debris*



*MP Rotator shown
popped up, in operating
mode; when watering
cycle ends MP Rotator
pops down before spray
head retracts*

*color-coded
stem (see
page 4)*

*removable
inlet filter keeps
sprinkler free
from internal
debris*

A WATER CONSERVATION TOOL

- Multiple rotating streams provide superior uniformity
- Automatic matched precipitation even after arc & radius adjustment
- Low precipitation rate reduces runoff on slopes & tight soils

A FLEXIBLE DESIGN TOOL

- Ideal for 2.5-9 m spacings — any model can be combined on the same zone
- Eliminates the uncertainty associated with nozzle trees and rotor nozzling

PROVEN DURABILITY & RELIABILITY

- Rotator® Technology proven in demanding agricultural conditions since 1987
- One moving part
- "Double-pop" flushes on start-up and shut-down

SIMPLE AND QUICK ADJUSTMENTS

- Easy arc adjustment
- Easy radius adjustment — up to 25%
- No nozzle to change

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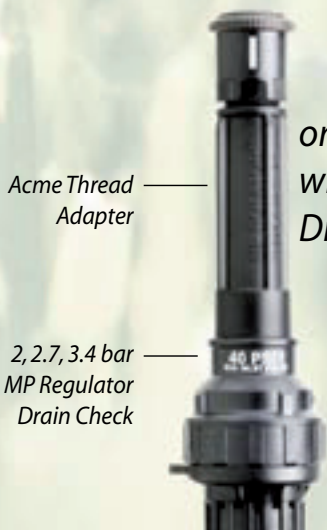
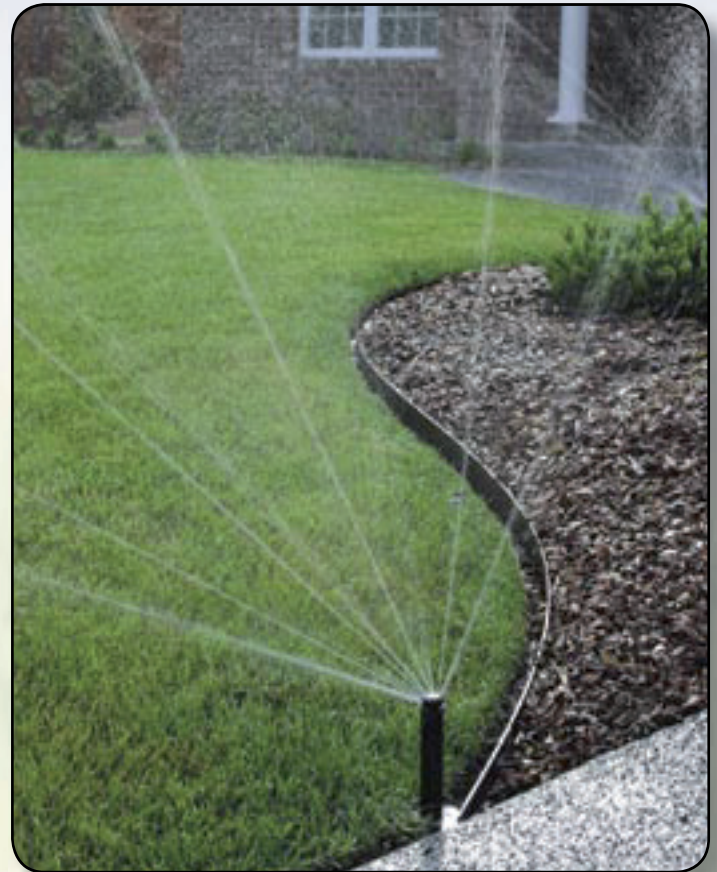
SAVE WATER — SOLVE PROBLEMS



- > **NEW SYSTEMS**
 - Ultimate design flexibility, 2.5-9 m
 - Lower installed costs
 - Better system efficiency
- > **REVITALIZE OLD SYSTEMS**
 - Solve low pressure problems
 - Solve coverage problems
- > **SLOPES & TIGHT SOILS**
 - Low precipitation radically reduces runoff

Compared to fixed-arc sprays and rotors, MP Rotators deliver significant performance advantages, great design flexibility and impressive cost savings. Any of the MP Rotator models can be combined on the same zone and **maintain a matched precipitation rate — even after arc and radius adjustment.**

On existing systems, the MP Rotator's **unique combination of low flow and high uniformity** makes it possible to solve spray head coverage problems — whether the problem is low pressure, too many spray heads on a line or “stretched” spacing.



on a 1.3 cm riser
with MP Regulator
Drain Check



in a pop-up
body



on a 1.3 cm
riser with
shrub
adapter

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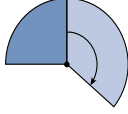
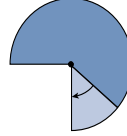
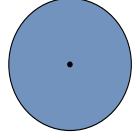
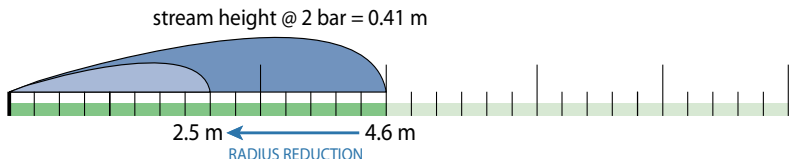


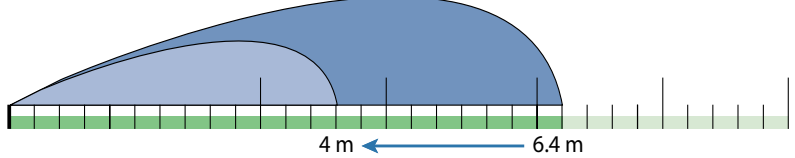



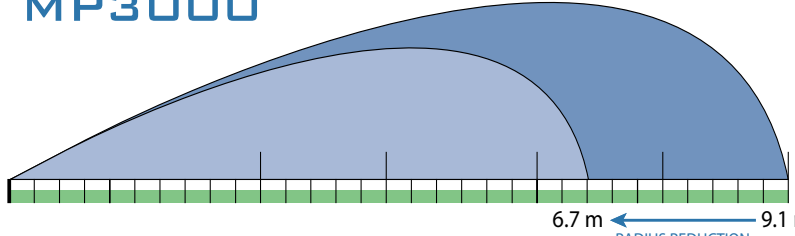



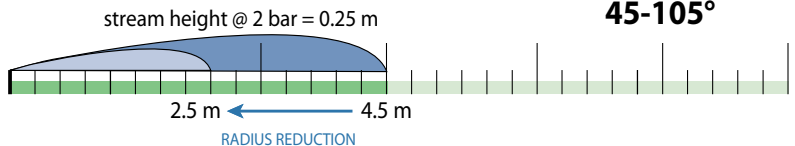

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THE IDEAL 2.5-9 M SOLUTION

Maintain Matched Precipitation — Any Arc, Any Radius

| | | | |
|---|--|--|--|
| <p>Specify Model & Arc. Add "T" to Model Name to specify Male Thread.</p> <p>Example: MP2000 90-210</p> <p style="text-align: center;"> <u>MP2000</u> <u>90-210</u> <small>Model Arc</small> </p> |  <p>90-210°</p> |  <p>210-270°</p> |  <p>360°</p> |
| ADJUSTABLE RADIUS | | ADJUSTABLE ARC | |
| <p>MP1000*</p> <p>stream height @ 2 bar = 0.41 m</p>  | <p>MP1000 90-210</p>  <p>Maroon</p> | <p>Not Available</p> | <p>MP1000 360</p>  <p>Olive</p> |
| <p>MP2000*</p> <p>stream height @ 2 bar = 1.02 m</p>  | <p>MP2000 90-210</p>  <p>Black</p> | <p>MP2000 210-270</p>  <p>Green</p> | <p>MP2000 360</p>  <p>Red</p> |
| <p>MP3000**</p> <p>stream height @ 2.8 bar = 2.01 m</p>  | <p>MP3000 90-210</p>  <p>Blue</p> | <p>MP3000 210-270</p>  <p>Yellow</p> | <p>MP3000 360</p>  <p>Gray</p> |
| <p>*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.</p> | | | |
| <p>MP CORNER</p> <p>stream height @ 2 bar = 0.25 m</p>  | | <p>MP Corner</p>  <p>Turquoise</p> | <p>The MP Corner is designed for tight corners that are difficult to irrigate properly with conventional sprinklers. It has an adjustable arc from 45° to 105°, maintains MPR at any arc, any radius and can be placed on the same zone with any other MP Rotator model.</p> |

All MP Rotators can be combined on the same zone for greater design and installation flexibility.

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MP1000

| Arc Setting | kPa | bar | Rad.(M) | LPH | LPM | mm/hr | mm/hr▲ |
|-------------|-----|------|---------|-----|------|-------|--------|
| 90° | — | — | — | — | — | — | — |
| | 200 | 2.00 | 3.7 | 36 | 0.61 | 11 | 12 |
| | 225 | 2.25 | 3.8 | 38 | 0.63 | 10 | 12 |
| | 250 | 2.50 | 4.0 | 41 | 0.68 | 10 | 12 |
| | 275 | 2.75 | 4.1 | 42 | 0.70 | 10 | 11 |
| | 300 | 3.00 | 4.3 | 44 | 0.73 | 10 | 11 |
| | 325 | 3.25 | 4.3 | 45 | 0.75 | 10 | 11 |
| 180° | — | — | — | — | — | — | — |
| | 200 | 2.00 | 3.7 | 72 | 1.20 | 11 | 12 |
| | 225 | 2.25 | 3.8 | 76 | 1.27 | 10 | 12 |
| | 250 | 2.50 | 4.0 | 81 | 1.35 | 10 | 12 |
| | 275 | 2.75 | 4.1 | 84 | 1.40 | 10 | 11 |
| | 300 | 3.00 | 4.3 | 88 | 1.46 | 10 | 11 |
| | 325 | 3.25 | 4.3 | 91 | 1.51 | 10 | 11 |
| 210° | — | — | — | — | — | — | — |
| | 200 | 2.00 | 3.7 | 85 | 1.41 | 11 | 13 |
| | 225 | 2.25 | 3.8 | 89 | 1.48 | 10 | 12 |
| | 250 | 2.50 | 4.0 | 95 | 1.58 | 10 | 12 |
| | 275 | 2.75 | 4.1 | 98 | 1.63 | 10 | 11 |
| | 300 | 3.00 | 4.3 | 102 | 1.71 | 10 | 11 |
| | 325 | 3.25 | 4.3 | 106 | 1.76 | 10 | 11 |
| 270° | — | — | — | — | — | — | — |
| | 200 | 2.00 | 3.7 | 85 | 1.41 | 11 | 13 |
| | 225 | 2.25 | 3.8 | 89 | 1.48 | 10 | 12 |
| | 250 | 2.50 | 4.0 | 95 | 1.58 | 10 | 12 |
| | 275 | 2.75 | 4.1 | 98 | 1.63 | 10 | 11 |
| | 300 | 3.00 | 4.3 | 102 | 1.71 | 10 | 11 |
| | 325 | 3.25 | 4.3 | 106 | 1.76 | 10 | 11 |
| 360° | — | — | — | — | — | — | — |
| | 200 | 2.00 | 3.5 | 144 | 2.40 | 12 | 14 |
| | 225 | 2.25 | 3.8 | 153 | 2.55 | 11 | 13 |
| | 250 | 2.50 | 4.0 | 161 | 2.69 | 10 | 12 |
| | 275 | 2.75 | 4.1 | 169 | 2.81 | 10 | 12 |
| | 300 | 3.00 | 4.3 | 177 | 2.94 | 10 | 11 |
| | 325 | 3.25 | 4.3 | 183 | 3.05 | 10 | 11 |

MAROON = 90-210°

OLIVE = 360°

MP2000

| KPA | bar | Rad.(M) | LPH | LPM | mm/hr | mm/hr▲ |
|-----|------|---------|-----|------|-------|--------|
| 175 | 1.75 | 5.2 | 71 | 1.18 | 11 | 12 |
| 200 | 2.00 | 5.5 | 74 | 1.23 | 10 | 11 |
| 225 | 2.25 | 5.6 | 80 | 1.33 | 10 | 12 |
| 250 | 2.50 | 5.8 | 86 | 1.43 | 10 | 12 |
| 275 | 2.75 | 6.1 | 91 | 1.52 | 10 | 11 |
| 300 | 3.00 | 6.4 | 94 | 1.57 | 9 | 11 |
| 325 | 3.25 | 6.6 | 97 | 1.62 | 9 | 10 |
| 350 | 3.50 | 6.7 | 101 | 1.68 | 9 | 10 |
| 375 | 3.75 | 6.7 | 106 | 1.77 | 9 | 11 |
| 175 | 1.75 | 4.9 | 133 | 2.22 | 11 | 12 |
| 200 | 2.00 | 5.2 | 141 | 2.35 | 11 | 13 |
| 225 | 2.25 | 5.3 | 150 | 2.50 | 11 | 13 |
| 250 | 2.50 | 5.5 | 160 | 2.67 | 11 | 12 |
| 275 | 2.75 | 5.8 | 168 | 2.80 | 10 | 12 |
| 300 | 3.00 | 6.1 | 174 | 2.90 | 10 | 11 |
| 325 | 3.25 | 6.2 | 182 | 3.03 | 9 | 11 |
| 350 | 3.50 | 6.4 | 189 | 3.15 | 9 | 10 |
| 375 | 3.75 | 6.4 | 193 | 3.22 | 9 | 11 |
| 175 | 1.75 | 4.9 | 155 | 2.58 | 11 | 12 |
| 200 | 2.00 | 5.2 | 165 | 2.75 | 11 | 13 |
| 225 | 2.25 | 5.3 | 175 | 2.92 | 11 | 13 |
| 250 | 2.50 | 5.5 | 185 | 3.08 | 10 | 12 |
| 275 | 2.75 | 5.8 | 195 | 3.25 | 10 | 12 |
| 300 | 3.00 | 6.1 | 205 | 3.42 | 10 | 11 |
| 325 | 3.25 | 6.2 | 214 | 3.57 | 9 | 11 |
| 350 | 3.50 | 6.4 | 222 | 3.70 | 9 | 10 |
| 375 | 3.75 | 6.4 | 228 | 3.80 | 10 | 11 |
| 175 | 1.75 | 4.9 | 199 | 3.32 | 11 | 12 |
| 200 | 2.00 | 5.2 | 212 | 3.53 | 11 | 13 |
| 225 | 2.25 | 5.3 | 225 | 3.75 | 11 | 13 |
| 250 | 2.50 | 5.5 | 238 | 3.97 | 10 | 12 |
| 275 | 2.75 | 5.8 | 249 | 4.15 | 10 | 12 |
| 300 | 3.00 | 6.1 | 261 | 4.35 | 10 | 11 |
| 325 | 3.25 | 6.2 | 272 | 4.53 | 9 | 11 |
| 350 | 3.50 | 6.4 | 282 | 4.70 | 9 | 10 |
| 375 | 3.75 | 6.4 | 293 | 4.88 | 9 | 11 |
| 175 | 1.75 | 4.9 | 265 | 4.42 | 11 | 12 |
| 200 | 2.00 | 5.2 | 283 | 4.72 | 11 | 13 |
| 225 | 2.25 | 5.3 | 300 | 5.00 | 11 | 13 |
| 250 | 2.50 | 5.5 | 317 | 5.28 | 10 | 12 |
| 275 | 2.75 | 5.8 | 333 | 5.55 | 10 | 12 |
| 300 | 3.00 | 6.1 | 348 | 5.80 | 10 | 11 |
| 325 | 3.25 | 6.2 | 362 | 6.03 | 9 | 11 |
| 350 | 3.50 | 6.4 | 375 | 6.25 | 9 | 10 |
| 375 | 3.75 | 6.4 | 384 | 6.40 | 9 | 10 |

BLACK = 90-210°

GREEN = 210-270°

RED = 360°

MP3000

| KPA | bar | Rad.(M) | LPH | LPM | mm/hr | mm/hr▲ |
|-----|------|---------|-----|-------|-------|--------|
| 175 | 1.75 | 7.6 | 158 | 2.63 | 11 | 13 |
| 200 | 2.00 | 8.2 | 166 | 2.77 | 10 | 11 |
| 225 | 2.25 | 8.4 | 175 | 2.92 | 10 | 12 |
| 250 | 2.50 | 8.5 | 185 | 3.08 | 10 | 12 |
| 275 | 2.75 | 9.1 | 195 | 3.25 | 9 | 11 |
| 300 | 3.00 | 9.1 | 203 | 3.38 | 10 | 11 |
| 325 | 3.25 | 9.1 | 212 | 3.53 | 10 | 12 |
| 350 | 3.50 | 9.1 | 220 | 3.67 | 11 | 12 |
| 375 | 3.75 | 9.1 | 228 | 3.80 | 11 | 13 |
| 175 | 1.75 | 7.6 | 329 | 5.48 | 11 | 13 |
| 200 | 2.00 | 8.2 | 353 | 5.88 | 10 | 12 |
| 225 | 2.25 | 8.4 | 373 | 6.22 | 11 | 12 |
| 250 | 2.50 | 8.5 | 393 | 6.55 | 11 | 12 |
| 275 | 2.75 | 9.1 | 413 | 6.88 | 10 | 11 |
| 300 | 3.00 | 9.1 | 431 | 7.18 | 10 | 12 |
| 325 | 3.25 | 9.1 | 449 | 7.48 | 11 | 12 |
| 350 | 3.50 | 9.1 | 466 | 7.77 | 11 | 13 |
| 375 | 3.75 | 9.1 | 481 | 8.02 | 12 | 13 |
| 175 | 1.75 | 7.6 | 384 | 6.40 | 11 | 13 |
| 200 | 2.00 | 8.2 | 411 | 6.85 | 10 | 12 |
| 225 | 2.25 | 8.4 | 436 | 7.27 | 11 | 12 |
| 250 | 2.50 | 8.5 | 459 | 7.65 | 11 | 12 |
| 275 | 2.75 | 9.1 | 481 | 8.02 | 10 | 11 |
| 300 | 3.00 | 9.1 | 502 | 8.37 | 10 | 12 |
| 325 | 3.25 | 9.1 | 523 | 8.72 | 11 | 12 |
| 350 | 3.50 | 9.1 | 542 | 9.03 | 11 | 13 |
| 375 | 3.75 | 9.1 | 562 | 9.37 | 12 | 13 |
| 175 | 1.75 | 7.6 | 501 | 8.35 | 12 | 13 |
| 200 | 2.00 | 8.2 | 530 | 8.83 | 10 | 12 |
| 225 | 2.25 | 8.4 | 560 | 9.33 | 11 | 12 |
| 250 | 2.50 | 8.5 | 589 | 9.82 | 11 | 12 |
| 275 | 2.75 | 9.1 | 619 | 10.32 | 10 | 11 |
| 300 | 3.00 | 9.1 | 646 | 10.77 | 10 | 12 |
| 325 | 3.25 | 9.1 | 673 | 11.22 | 11 | 12 |
| 350 | 3.50 | 9.1 | 701 | 11.68 | 11 | 13 |
| 375 | 3.75 | 9.1 | 727 | 12.12 | 12 | 13 |
| 175 | 1.75 | 7.6 | 659 | 10.98 | 11 | 13 |
| 200 | 2.00 | 8.2 | 703 | 11.72 | 10 | 12 |
| 225 | 2.25 | 8.4 | 745 | 12.42 | 11 | 12 |
| 250 | 2.50 | 8.5 | 786 | 13.10 | 11 | 12 |
| 275 | 2.75 | 9.1 | 825 | 13.75 | 10 | 11 |
| 300 | 3.00 | 9.1 | 862 | 14.37 | 10 | 12 |
| 325 | 3.25 | 9.1 | 897 | 14.95 | 11 | 12 |
| 350 | 3.50 | 9.1 | 931 | 15.52 | 11 | 13 |
| 375 | 3.75 | 9.1 | 964 | 16.07 | 12 | 13 |

BLUE = 90-210°

YELLOW = 210-270°

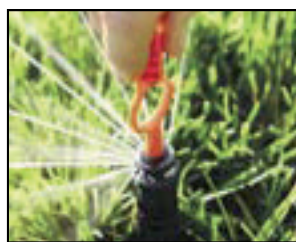
GRAY = 360°

Radius measured on a 10 cm high riser. Precipitation rates are based on head-to-head throw coverage.

MP CORNER

| Arc Setting | kPa | bar | Rad.(M) | LPH | LPM |
|-------------|-----|------|---------|-----|------|
| 45° | 200 | 2.00 | 3.5 | 36 | 0.61 |
| | 225 | 2.25 | 3.8 | 38 | 0.63 |
| | 250 | 2.50 | 4.0 | 41 | 0.68 |
| | 275 | 2.75 | 4.1 | 42 | 0.70 |
| | 300 | 3.00 | 4.3 | 44 | 0.73 |
| | 325 | 3.25 | 4.3 | 45 | 0.75 |
| | 350 | 3.50 | 4.4 | 47 | 0.78 |
| 90° | 175 | 1.75 | 4.5 | 49 | 0.81 |
| | 200 | 2.00 | 3.5 | 69 | 1.15 |
| | 225 | 2.25 | 3.8 | 79 | 1.31 |
| | 250 | 2.50 | 4.0 | 84 | 1.40 |
| | 275 | 2.75 | 4.1 | 86 | 1.44 |
| | 300 | 3.00 | 4.3 | 94 | 1.57 |
| | 325 | 3.25 | 4.3 | 98 | 1.63 |
| 105° | 175 | 1.75 | 3.2 | 80 | 1.34 |
| | 200 | 2.00 | 3.5 | 89 | 1.48 |
| | 225 | 2.25 | 3.8 | 92 | 1.53 |
| | 250 | 2.50 | 4.0 | 98 | 1.63 |
| | 275 | 2.75 | 4.1 | 102 | 1.70 |
| | 300 | 3.00 | 4.3 | 110 | 1.83 |
| | 325 | 3.25 | 4.3 | 113 | 1.88 |

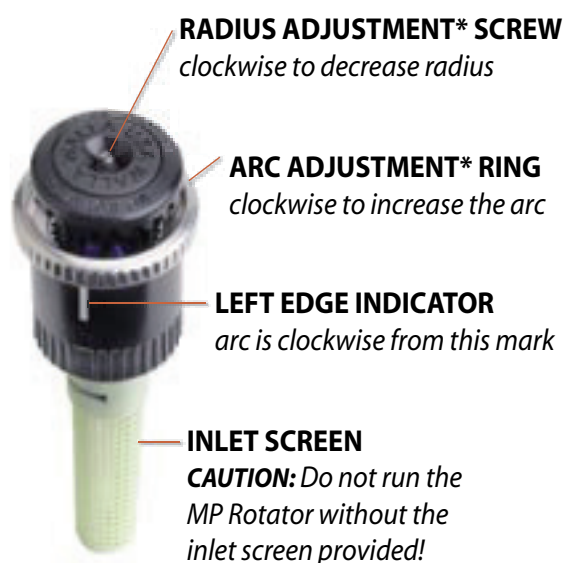
TURQUOISE = 45-105°



Easy radius adjustment



Easy arc adjustment



RADIUS ADJUSTMENT* SCREW
clockwise to decrease radius

ARC ADJUSTMENT* RING
clockwise to increase the arc

LEFT EDGE INDICATOR
arc is clockwise from this mark

INLET SCREEN
CAUTION: Do not run the MP Rotator without the inlet screen provided!

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

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MP ROTATOR VS. SPRAYS



MP1000 90-210°

- Lower precipitation rate
- *radically less runoff*
- Higher uniformity
- *even after radius reduction*
- Superior close-in water
- Superior wind resistance
- Reduced misting at higher pressure

Lower installed cost!
1/3 the flow rate of a spray head

FEWER ZONES
LESS MATERIAL
LESS LABOR



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MP ROTATOR VS. ROTORS

- Matched precipitation — any arc, any radius
- Better uniformity after radius reduction
 - *no diffuser screw to cause stream distortion*
- Superior performance in windy conditions
 - *tight, high-energy streams penetrate the wind*
- Quick, easy arc & radius adjustments
 - *no nozzle to change — no nozzle tree hassle*
 - *faster installation*
- Lower cost



THE MAGIC
OF MULTIPLE
ROTATING
STREAMS



**MATCHED PRECIPITATION:
ANY ARC, ANY RADIUS**
an industry first

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THE MP ROTATOR®

a water conservation device

The multiple rotating streams of the MP Rotator apply water more slowly and uniformly than conventional sprays and rotors — especially after arc and radius adjustment. On slopes and clay-like soils, this reduces runoff. Independent water audits have shown **potential water savings of up to 30%*** when conventional sprays are replaced with MP Rotators. Additional water-saving advantages include better wind-resistance and less misting.

* For details supporting this claim go to www.mprotator.com.

WARRANTY AND DISCLAIMER: Walla Walla Sprinkler Company MP Rotators® are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the products were designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair of defective parts. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from defects or breach of warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of this warranty, nor to make any representations or warranty not contained herein. THE SELLER UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE GOODS EXCEPT AS OTHERWISE PROVIDED IN THIS CONTRACT, AND THE SELLER ASSUMES NO RESPONSIBILITY THAT THE GOODS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THESE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THIS CONTRACT.

This product may be covered by one or more of the following U.S. Patent Nos. 4842201, 4867379, 4898332, 4967961, 5058806, 5288022, 6244521, 6499672,

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