



MP ROTATOR®

A Revolutionary New Sprinkler for

Nurseries & Greenhouses

FEATURES & BENEFITS

- Water conservation — high uniformity, targeted watering
- Reliable arc adjustment settings
- Rain-like application
- Application rate is ideal for container crops
- No riser vibration

APPLICATION TIPS

1. Use head to head or closer spacing. Be aware that a reduction in pressure often results in reduced distance of throw.
2. For best results, lay out sprinklers so that plant material is always placed completely inside the sprinkler grid.
3. Mount at a height slightly above the plant canopy.
NOTE: throw distance slightly increases as the mounting height increases.

CAUTIONS

1. To avoid poor uniformity never mount the MP Rotator in an inverted position. For inverted applications use the Nelson S10, R10TG, or D10 sprinklers.
2. Never remove the inlet screens on the MP Rotator.
3. Use 100 mesh or finer filtration upstream of the MP Rotator.



STREAM HEIGHT DATA

Approximate maximum stream height above the nozzle.

| MP Rotator | MP1000 | MP2000 | MP3000 |
|------------------------|--------|--------|--------|
| Max. Stream Trajectory | 20° | 25° | 26° |
| 30 psi | 16" | 40" | 72" |
| 40 psi | 20" | 45" | 79" |
| 50 psi | 23" | 50" | 84" |

NOTE: to ensure the streams do not collide with the ceiling of the greenhouse add the stream height of the MP Rotator to the mounting height.

GREENHOUSE APPLICATION TIPS

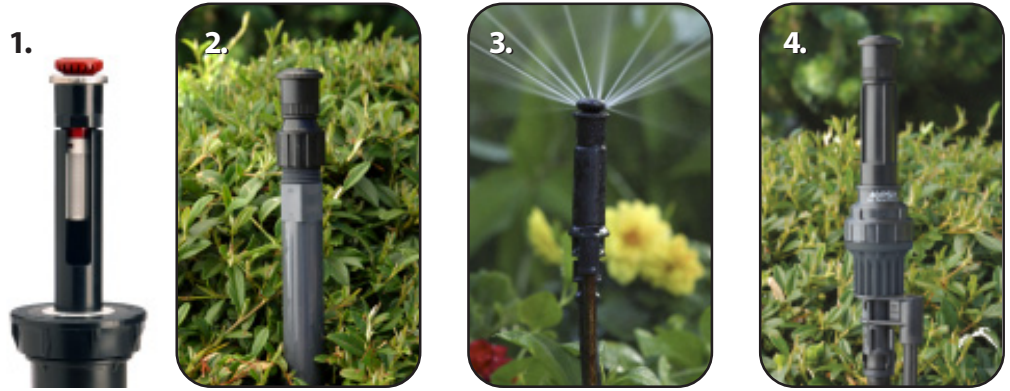
Locate the 90-210° arc MP Rotators along both sides of the structure. A vertical side wall is required.

| House Width Product to Use | 10-15' | 16-22' | 23-32' |
|----------------------------|-----------------|------------------|------------------|
| Sprinkler Spacing | MP1000 8-10' | MP2000 12-15' | MP3000 20-24' |



MP ROTATOR MOUNTING OPTIONS:

1. In pop-up body
2. On PVC riser w/ shrub adapter
3. On MP Riser
4. On MP Riser with Pressure Regulator or Regulator Drain Check (also available for PVC riser application)



| | | MP1000 | | | | MP2000 | | | | MP3000 | | | |
|------|--|----------------|-----|---------------|------|--------|-----|----------|------|--------|-----|----------|------|
| Arc | | | PSI | Rad. Ft. | GPM | | PSI | Rad. Ft. | GPM | | PSI | Rad. Ft. | GPM |
| 90° | | MP1000 90-210° | | 8-15' radius* | 25 | - | - | 25 | 17 | 0.31 | 25 | 25 | 0.69 |
| | | | | 30 | 12.0 | 0.16 | 30 | 18 | 0.33 | 30 | 27 | 0.74 | |
| | | | | 35 | 13.0 | 0.18 | 35 | 19 | 0.37 | 35 | 28 | 0.80 | |
| | | | | 40 | 13.5 | 0.19 | 40 | 20 | 0.40 | 40 | 30 | 0.86 | |
| | | | | 45 | 14.0 | 0.20 | 45 | 21 | 0.42 | 45 | 30 | 0.91 | |
| | | | | 50 | 14.5 | 0.21 | 50 | 22 | 0.44 | 50 | 30 | 0.96 | |
| | | | | 55 | 15.0 | 0.22 | 55 | 22 | 0.47 | 55 | 30 | 1.01 | |
| 180° | | MP1000 90-210° | | 8-15' radius* | 25 | - | - | 25 | 16 | 0.58 | 25 | 25 | 1.44 |
| | | | | 30 | 12.0 | 0.32 | 30 | 17 | 0.63 | 30 | 27 | 1.58 | |
| | | | | 35 | 13.0 | 0.35 | 35 | 18 | 0.69 | 35 | 28 | 1.70 | |
| | | | | 40 | 13.5 | 0.37 | 40 | 19 | 0.74 | 40 | 30 | 1.82 | |
| | | | | 45 | 14.0 | 0.40 | 45 | 20 | 0.78 | 45 | 30 | 1.93 | |
| | | | | 50 | 14.5 | 0.41 | 50 | 21 | 0.83 | 50 | 30 | 2.04 | |
| | | | | 55 | 15.0 | 0.43 | 55 | 21 | 0.85 | 55 | 30 | 2.13 | |
| 360° | | MP1000 360° | | 8-15' radius* | 25 | - | - | 25 | 16 | 1.16 | 25 | 25 | 2.88 |
| | | | | 30 | 12.0 | 0.65 | 30 | 17 | 1.27 | 30 | 27 | 3.15 | |
| | | | | 35 | 13.0 | 0.71 | 35 | 18 | 1.37 | 35 | 28 | 3.40 | |
| | | | | 40 | 13.5 | 0.75 | 40 | 19 | 1.47 | 40 | 30 | 3.64 | |
| | | | | 45 | 14.0 | 0.80 | 45 | 20 | 1.56 | 45 | 30 | 3.86 | |
| | | | | 50 | 14.5 | 0.84 | 50 | 21 | 1.64 | 50 | 30 | 4.07 | |
| | | | | 55 | 15.0 | 0.87 | 55 | 21 | 1.70 | 55 | 30 | 4.27 | |

*The MP Rotator covers a radius of 8-30' including the 25% radius reduction capability. NOTE: 210-270 degree model also available for MP2000 & MP3000. Radius measured on a 4" high riser. Radius will increase by 5% when using a 2 foot riser.

UNIFORMITY INFORMATION AT VARIOUS SPACINGS

| MP2000 16 x 16' | MP2000 18 x 18' | MP2000 20 x 20' | MP3000 22 x 22' | MP3000 24 x 24' | MP3000 26 x 26' | MP3000 28 x 28' | MP3000 30 x 30' |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| DU 81% | DU 85% | DU 79% | DU 76% | DU 87% | DU 90% | DU 81% | DU 76% |
| CU 88% | CU 88% | CU 85% | CU 86% | CU 89% | CU 93% | CU 88% | CU 85% |
| SC 1.4 | SC 1.3 | SC 1.4 | SC 1.4 | SC 1.2 | SC 1.1 | SC 1.3 | SC 1.4 |

DU = Distribution Uniformity, CU = Christiansen Coefficient of Uniformity, SC = Scheduling Coefficient

Contact Walla Walla Sprinkler Company for further details. Uniformity data is the average of 360° arc and 180° arc settings. Test pressure is 40 PSI, riser height is 4 inches. Test record numbers P2000-40PS, MP2000-40P, P3000-4-P, and P3000-4-PS. These uniformity numbers are computed from tests performed indoors in controlled conditions. On site conditions will affect actual uniformity.



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Walla Walla Sprinkler Company is a subsidiary of Nelson Irrigation Corporation, a worldwide leader in water application solutions for agriculture.

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