



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 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°
2.1 bar	0.41 m	1.02 m	1.83 m
2.7 bar	0.51 m	1.14 m	2.01 m
3.5 bar	0.58 m	1.27 m	2.13 m

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

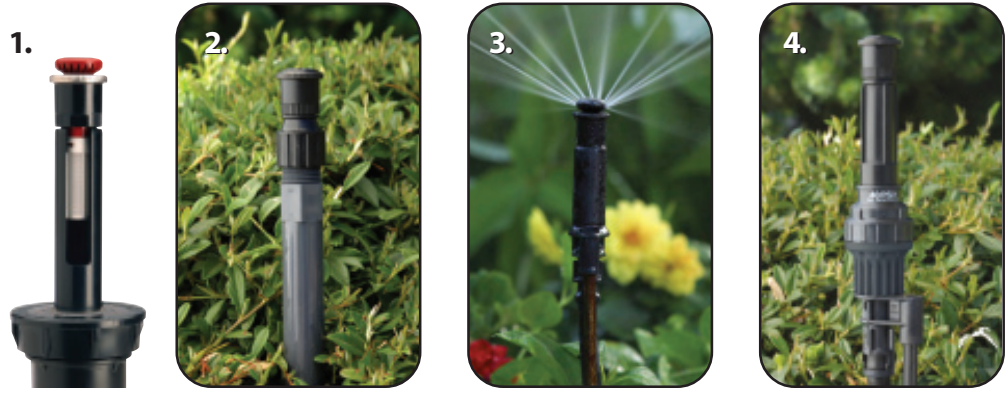
Locate the 90-210° arc MP Rotators along both sides of the structure. A vertical side wall is required.





House Width	3.1-4.6 m	4.9-6.7 m	7.0-9.8 m
Product to Use	MP1000	MP2000	MP3000
Sprinkler Spacing	2.4-3.1 m	3.7-4.6 m	6.1-7.3 m



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			kPa	bar	Rad.(M)	LPH	LPM		KPA	bar	Rad.(M)	LPH	LPM		KPA	bar	Rad.(M)	LPH	LPM
90°	MP1000 90-210°		—	—	—	—	—		175	1.75	5.2	71	1.18		175	1.75	7.6	158	2.63
			200	2.00	3.7	36	0.61		200	2.00	5.5	74	1.23		200	2.00	8.2	166	2.77
			225	2.25	3.8	38	0.63		225	2.25	5.6	80	1.33		225	2.25	8.4	175	2.92
			250	2.50	4.0	41	0.68		250	2.50	5.8	86	1.43		250	2.50	8.5	185	3.08
			275	2.75	4.1	42	0.70		275	2.75	6.1	91	1.52		275	2.75	9.1	195	3.25
			300	3.00	4.3	44	0.73		300	3.00	6.4	94	1.57		300	3.00	9.1	203	3.38
			325	3.25	4.3	45	0.75		325	3.25	6.6	97	1.62		325	3.25	9.1	212	3.53
350	3.50	4.4	47	0.78	350	3.50	6.7	101	1.68	350	3.50	9.1	220	3.67					
375	3.75	4.6	49	0.81	375	3.75	6.7	106	1.77	375	3.75	9.1	228	3.80					
180°	MP1000 90-210°	2.5-4.6 meter radius*	—	—	—	—	—	MP2000 90-210°	175	1.75	4.9	133	2.22	MP3000 90-210°	175	1.75	7.6	329	5.48
			200	2.00	3.7	72	1.20		200	2.00	5.2	141	2.35		200	2.00	8.2	353	5.88
			225	2.25	3.8	76	1.27		225	2.25	5.3	150	2.50		225	2.25	8.4	373	6.22
			250	2.50	4.0	81	1.35		250	2.50	5.5	160	2.67		250	2.50	8.5	393	6.55
			275	2.75	4.1	84	1.40		275	2.75	5.8	168	2.80		275	2.75	9.1	413	6.88
			300	3.00	4.3	88	1.46		300	3.00	6.1	174	2.90		300	3.00	9.1	431	7.18
			325	3.25	4.3	91	1.51		325	3.25	6.2	182	3.03		325	3.25	9.1	449	7.48
350	3.50	4.4	94	1.56	350	3.50	6.4	189	3.15	350	3.50	9.1	466	7.77					
375	3.75	4.6	97	1.62	375	3.75	6.4	193	3.22	375	3.75	9.1	481	8.02					
360°	MP1000 360°		—	—	—	—	—	MP2000 360°	175	1.75	4.9	265	4.42	MP3000 360°	175	1.75	7.6	659	10.98
			200	2.00	3.5	144	2.40		200	2.00	5.2	283	4.72		200	2.00	8.2	703	11.72
			225	2.25	3.8	153	2.55		225	2.25	5.3	300	5.00		225	2.25	8.4	745	12.42
			250	2.50	4.0	161	2.69		250	2.50	5.5	317	5.28		250	2.50	8.5	786	13.10
			275	2.75	4.1	169	2.81		275	2.75	5.8	333	5.55		275	2.75	9.1	825	13.75
			300	3.00	4.3	177	2.94		300	3.00	6.1	348	5.80		300	3.00	9.1	862	14.37
			325	3.25	4.3	183	3.05		325	3.25	6.2	362	6.03		325	3.25	9.1	897	14.95
350	3.50	4.4	190	3.17	350	3.50	6.4	375	6.25	350	3.50	9.1	931	15.52					
375	3.75	4.5	195	3.25	375	3.75	6.4	384	6.40	375	3.75	9.1	964	16.07					

The MP Rotator covers a radius of 2.5-9 m including the 25% radius reduction capability. NOTE: 210-270 degree model also available for MP2000 & MP3000. Radius measured on a 10 cm high riser. Radius will increase by 5% when using a 61 cm riser.

UNIFORMITY INFORMATION AT VARIOUS SPACINGS

MP2000 4.9 x 4.9m	MP2000 5.5 x 5.5 m	MP2000 6.1 x 6.1 m	MP3000 6.7 x 6.7m	MP3000 7.3 x 7.3m	MP3000 7.9 x 7.9m	MP3000 8.5 x 8.5m	MP3000 9.2 x 9.2m
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 2.76 bar, riser height is 10.2 cm. 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.

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, 6651905, 6688539, 6736332, 7032836 and other U.S. Patents pending or corresponding issued or pending foreign patents.