



MP ROTATOR®

A Revolutionary New Sprinkler for Nurseries & Greenhouses

FEATURES & BENEFITS

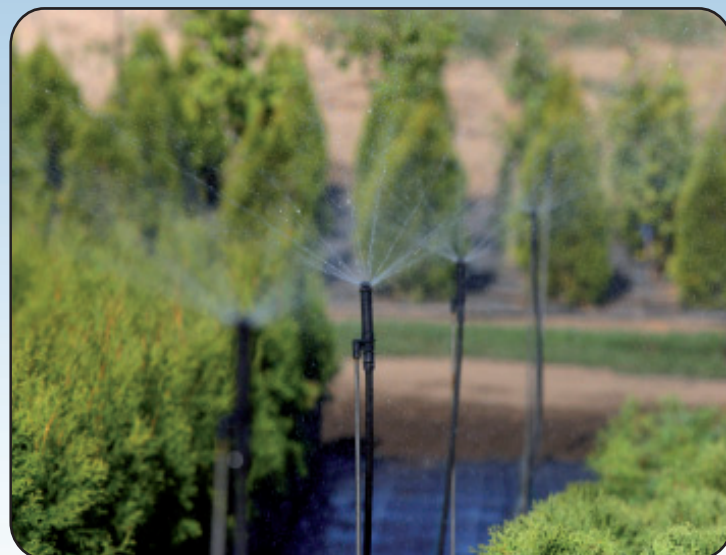
- Water conservation — high uniformity, targeted watering
- Reliable arc adjustment settings
- Rain-like application
- Application rate is ideal for container crops
- No riser vibration

APPLICATION TIPS

1. Use head to head coverage — refer to the MP Rotator (*Ideal 2.5-9 m Solution*) literature for details. Space the MP Rotator no further than the stated radius at operating pressure.
2. For best results, lay out sprinklers so that plant material is always placed completely inside the sprinkler grid.
3. Mount at a height 15-61 cm 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

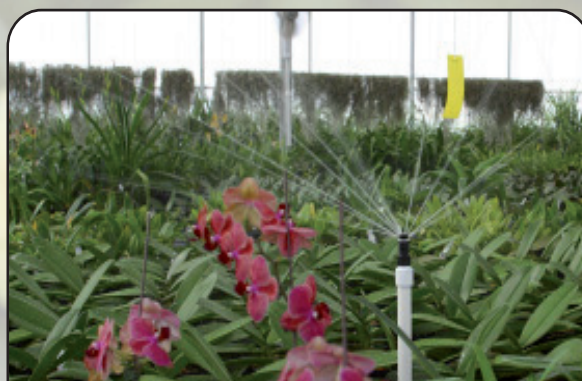
Approximate maximum stream height above the nozzle.

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

GREENHOUSE APPLICATION TIPS

Locate sprinklers along both sides of the structure. A 1 m or greater 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



Auckland NZ
PH: (09) 919 7600
FAX: (09) 919 7604

Distributed by: **aquaspec**
www.aquaspec.co.nz 0800 353 966

Christchurch NZ
PH: (03) 968 3230
FAX: (03) 968 3231

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° 2.5-4.6 meter radius*	200	2.00	3.7	36	0.61	MP2000 90-210° 4-6.4 meter radius*	175	1.75	5.2	71	1.18	MP3000 90-210° 6.7-9 meter radius*	175	1.75	7.6	158	2.63
		225	2.25	3.8	38	0.63		200	2.00	5.5	74	1.23		200	2.00	8.2	166	2.77
		250	2.50	4.0	41	0.68		225	2.25	5.6	80	1.33		225	2.25	8.4	175	2.92
		275	2.75	4.1	42	0.70		250	2.50	5.8	86	1.43		250	2.50	8.5	185	3.08
		300	3.00	4.3	44	0.73		275	2.75	6.1	91	1.52		275	2.75	9.1	195	3.25
		325	3.25	4.3	45	0.75		300	3.00	6.4	94	1.57		300	3.00	9.1	203	3.38
		350	3.50	4.4	47	0.78		325	3.25	6.6	97	1.62		325	3.25	9.1	212	3.53
		375	3.75	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*	200	2.00	3.7		72	1.20	MP2000 90-210° 4-6.4 meter radius*	175	1.75		4.9	133	2.22	MP3000 90-210° 6.7-9 meter radius*	175
225	2.25			3.8	76	1.27	200	2.00	5.2		141	2.35	200	2.00	8.2	353		5.88
250	2.50			4.0	81	1.35	225	2.25	5.3		150	2.50	225	2.25	8.4	373		6.22
275	2.75			4.1	84	1.40	250	2.50	5.5		160	2.67	250	2.50	8.5	393		6.55
300	3.00			4.3	88	1.46	275	2.75	5.8		168	2.80	275	2.75	9.1	413		6.88
325	3.25			4.3	91	1.51	300	3.00	6.1		174	2.90	300	3.00	9.1	431		7.18
350	3.50			4.4	94	1.56	325	3.25	6.2		182	3.03	325	3.25	9.1	449		7.48
375	3.75			4.6	97	1.62	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°			200	2.00	3.5	144	2.40	MP2000 360°		175	1.75	4.9	265	4.42	MP3000 360°		175
		225	2.25	3.8	153	2.55	200	2.00		5.2	283	4.72	200	2.00	8.2		703	11.72
		250	2.50	4.0	161	2.69	225	2.25		5.3	300	5.00	225	2.25	8.4		745	12.42
		275	2.75	4.1	169	2.81	250	2.50		5.5	317	5.28	250	2.50	8.5		786	13.10
		300	3.00	4.3	177	2.94	275	2.75		5.8	333	5.55	275	2.75	9.1		825	13.75
		325	3.25	4.3	183	3.05	300	3.00		6.1	348	5.80	300	3.00	9.1		862	14.37
		350	3.50	4.4	190	3.17	325	3.25		6.2	362	6.03	325	3.25	9.1		897	14.95
		375	3.75	4.5	195	3.25	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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