



MP ROTATOR®

**THE IDEAL 2.5-9 M
SOLUTION**

A Water Conservation Device Brought to you by:



**Walla Walla
Sprinkler Company**

WWW.MPROTATOR.COM



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.

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

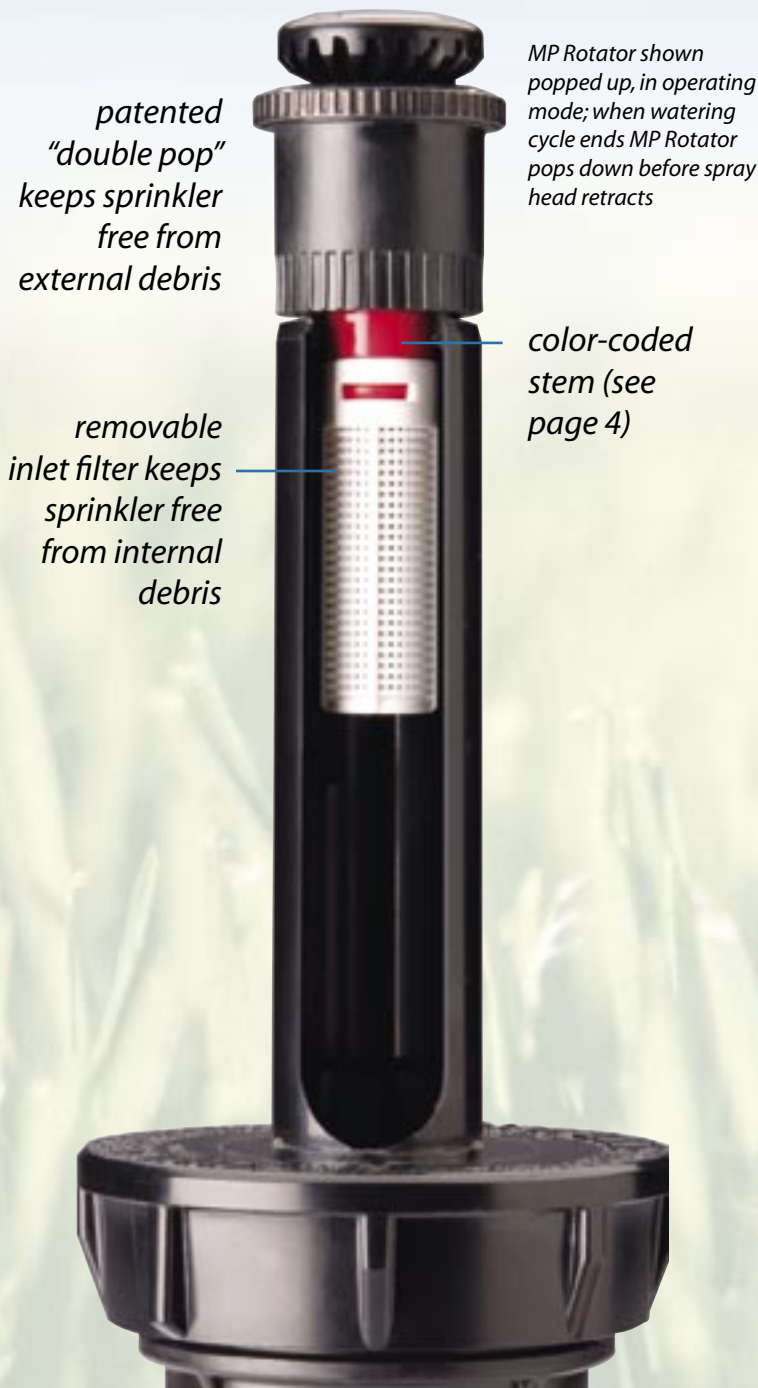
- Ideal for 2.5-9 m spacings — any model can be combined on the same zone
- Eliminates the uncertainty associated with nozzle trees and rotor nozzling

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



*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*

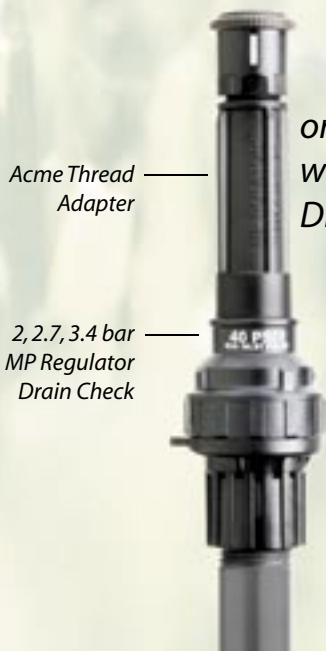
SAVE WATER — SOLVE PROBLEMS



- > **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.



Acme Thread Adapter

2, 2.7, 3.4 bar MP Regulator Drain Check

on a 1.3 cm riser with MP Regulator Drain Check



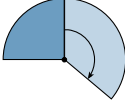
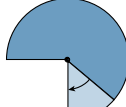

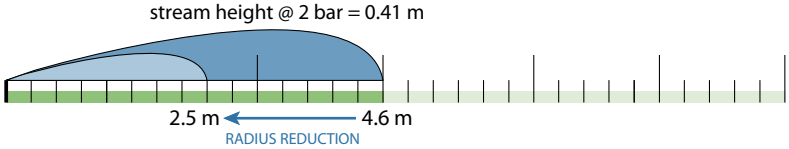


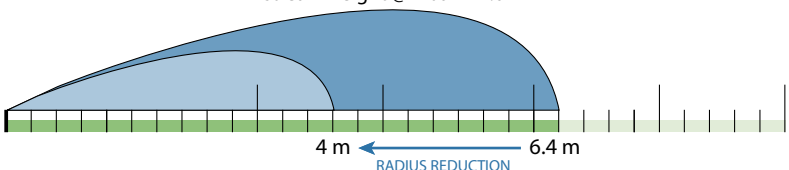



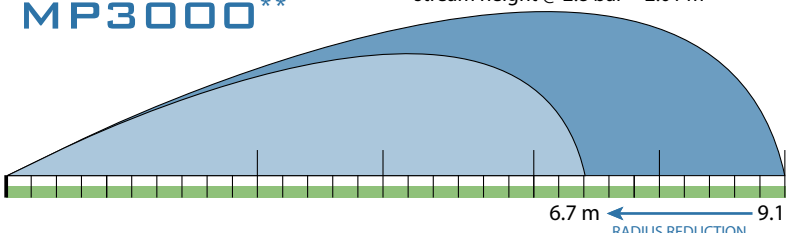



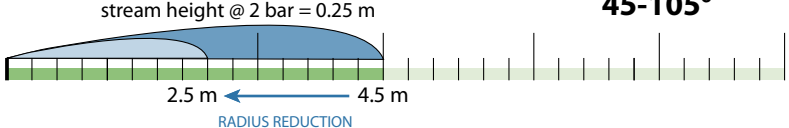

in a pop-up body



on a 1.3 cm riser with shrub adapter

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;">Model Arc</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>2.5 m ← 4.6 m RADIUS REDUCTION</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>4 m ← 6.4 m RADIUS REDUCTION</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>6.7 m ← 9.1 m RADIUS REDUCTION</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>2.5 m ← 4.5 m RADIUS REDUCTION</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.


		MP1000							MP2000							MP3000						
Arc Setting		kPa	bar	Rad.(M)	LPH	LPM	mm/hr■	mm/hr▲	KPA	bar	Rad.(M)	LPH	LPM	mm/hr■	mm/hr▲	KPA	bar	Rad.(M)	LPH	LPM	mm/hr■	mm/hr▲
90°		—	—	—	—	—	—	—	175	1.75	5.2	71	1.18	11	12	175	1.75	7.6	158	2.63	11	13
		200	2.00	3.7	36	0.61	11	12	200	2.00	5.5	74	1.23	10	11	200	2.00	8.2	166	2.77	10	11
		225	2.25	3.8	38	0.63	10	12	225	2.25	5.6	80	1.33	10	12	225	2.25	8.4	175	2.92	10	12
		250	2.50	4.0	41	0.68	10	12	250	2.50	5.8	86	1.43	10	12	250	2.50	8.5	185	3.08	10	12
		275	2.75	4.1	42	0.70	10	11	275	2.75	6.1	91	1.52	10	11	275	2.75	9.1	195	3.25	9	11
		300	3.00	4.3	44	0.73	10	11	300	3.00	6.4	94	1.57	9	11	300	3.00	9.1	203	3.38	10	11
		325	3.25	4.3	45	0.75	10	11	325	3.25	6.6	97	1.62	9	10	325	3.25	9.1	212	3.53	10	12
		350	3.50	4.4	47	0.78	10	11	350	3.50	6.7	101	1.68	9	10	350	3.50	9.1	220	3.67	11	12
180°		—	—	—	—	—	—	—	175	1.75	4.9	133	2.22	11	12	175	1.75	7.6	329	5.48	11	13
		200	2.00	3.7	72	1.20	11	12	200	2.00	5.2	141	2.35	11	13	200	2.00	8.2	353	5.88	10	12
		225	2.25	3.8	76	1.27	10	12	225	2.25	5.3	150	2.50	11	13	225	2.25	8.4	373	6.22	11	12
		250	2.50	4.0	81	1.35	10	12	250	2.50	5.5	160	2.67	11	12	250	2.50	8.5	393	6.55	11	12
		275	2.75	4.1	84	1.40	10	11	275	2.75	5.8	168	2.80	10	12	275	2.75	9.1	413	6.88	10	11
		300	3.00	4.3	88	1.46	10	11	300	3.00	6.1	174	2.90	10	11	300	3.00	9.1	431	7.18	10	12
		325	3.25	4.3	91	1.51	10	11	325	3.25	6.2	182	3.03	9	11	325	3.25	9.1	449	7.48	11	12
		350	3.50	4.4	94	1.56	10	11	350	3.50	6.4	189	3.15	9	10	350	3.50	9.1	466	7.77	11	13
210°		—	—	—	—	—	—	—	175	1.75	4.9	155	2.58	11	12	175	1.75	7.6	384	6.40	11	13
		200	2.00	3.7	85	1.41	11	13	200	2.00	5.2	165	2.75	11	13	200	2.00	8.2	411	6.85	10	12
		225	2.25	3.8	89	1.48	10	12	225	2.25	5.3	175	2.92	11	13	225	2.25	8.4	436	7.27	11	12
		250	2.50	4.0	95	1.58	10	12	250	2.50	5.5	185	3.08	10	12	250	2.50	8.5	459	7.65	11	12
		275	2.75	4.1	98	1.63	10	11	275	2.75	5.8	195	3.25	10	12	275	2.75	9.1	481	8.02	10	11
		300	3.00	4.3	102	1.71	10	11	300	3.00	6.1	205	3.42	10	11	300	3.00	9.1	502	8.37	10	12
		325	3.25	4.3	106	1.76	10	11	325	3.25	6.2	214	3.57	9	11	325	3.25	9.1	523	8.72	11	12
		350	3.50	4.4	109	1.82	10	11	350	3.50	6.4	222	3.70	9	10	350	3.50	9.1	542	9.03	11	13
270°		—	—	—	—	—	—	—	175	1.75	4.9	199	3.32	11	12	175	1.75	7.6	501	8.35	12	13
		200	2.00	3.7	85	1.41	11	13	200	2.00	5.2	212	3.53	11	13	200	2.00	8.2	530	8.83	10	12
		225	2.25	3.8	89	1.48	10	12	225	2.25	5.3	225	3.75	11	13	225	2.25	8.4	560	9.33	11	12
		250	2.50	4.0	95	1.58	10	12	250	2.50	5.5	238	3.97	10	12	250	2.50	8.5	589	9.82	11	12
		275	2.75	4.1	98	1.63	10	11	275	2.75	5.8	249	4.15	10	12	275	2.75	9.1	619	10.32	10	11
		300	3.00	4.3	102	1.71	10	11	300	3.00	6.1	261	4.35	10	11	300	3.00	9.1	646	10.77	10	12
		325	3.25	4.3	106	1.76	10	11	325	3.25	6.2	272	4.53	9	11	325	3.25	9.1	673	11.22	11	12
		350	3.50	4.4	109	1.82	10	11	350	3.50	6.4	282	4.70	9	10	350	3.50	9.1	701	11.68	11	13
360°		—	—	—	—	—	—	—	175	1.75	4.9	265	4.42	11	12	175	1.75	7.6	659	10.98	11	13
		200	2.00	3.7	85	1.41	11	13	200	2.00	5.2	283	4.72	11	13	200	2.00	8.2	703	11.72	10	12
		225	2.25	3.8	89	1.48	10	12	225	2.25	5.3	300	5.00	11	13	225	2.25	8.4	745	12.42	11	12
		250	2.50	4.0	95	1.58	10	12	250	2.50	5.5	317	5.28	10	12	250	2.50	8.5	786	13.10	11	12
		275	2.75	4.1	98	1.63	10	11	275	2.75	5.8	333	5.55	10	12	275	2.75	9.1	825	13.75	10	11
		300	3.00	4.3	102	1.71	10	11	300	3.00	6.1	348	5.80	10	11	300	3.00	9.1	862	14.37	10	12
		325	3.25	4.3	106	1.76	10	11	325	3.25	6.2	362	6.03	9	11	325	3.25	9.1	897	14.95	11	12
		350	3.50	4.4	109	1.82	10	11	350	3.50	6.4	375	6.25	9	10	350	3.50	9.1	931	15.52	11	13

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	3.2	69	1.15
		200	2.00	3.5	76	1.27
		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



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.

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



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

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.



A subsidiary of Nelson Irrigation Corporation
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848 Airport Road
Walla Walla, WA 99362-2271, U.S.A.

Tel: +1 509-525-7660
Fax: +1 509-525-7907
info@mprotator.com

WWW.MPROTATOR.COM

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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 and other U.S. Patents pending or corresponding issued or pending foreign patents.