



MP ROTATOR®

THE IDEAL SPRINKLER
from 1.2 m strips to 9 m radius

A Water Conservation Device Brought to you by:



**Walla Walla
Sprinkler Company**

WWW.MPROTATOR.COM



MP ROTATOR®

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

patented "double pop" keeps sprinkler free from external debris

color-code system for identifying models (see page 4)

removable inlet filter keeps sprinkler free from internal debris



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 1.2 m strips to 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 (1)
- Easy radius adjustment (2) — up to 25%
- No nozzle to change



*see page 7

SAVE WATER — SOLVE PROBLEMS



- > **NEW SYSTEMS**
 - Ultimate design flexibility
 - 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.**

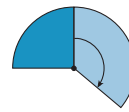
On existing systems, the MP Rotator's **unique combination of low flow and high uniformity** makes it possible to solve spray head coverage problems — whether the problem is low pressure, too many spray heads on a line or “stretched” spacing.



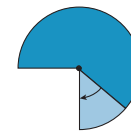
Maintain Matched Precipitation — Any Model, Any Arc, Any Radius

Specify Model & Arc. Add "T" to Model Name to specify Male Thread.

Example: **MP2000 90-210**
Model Arc



90-210°



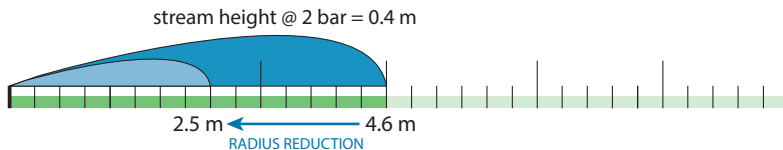
210-270°



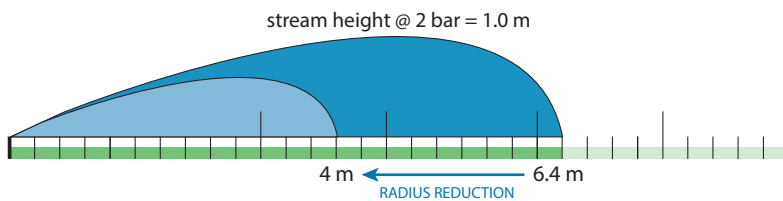
360°

ADJUSTABLE RADIUS

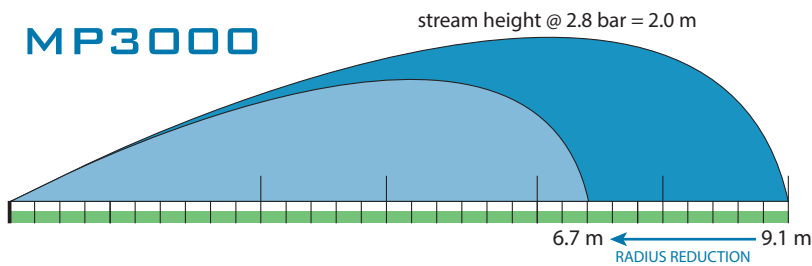
MP1000



MP2000



MP3000



ADJUSTABLE ARC

MP1000 90-210



Maroon

MP1000 210-270



Light Blue

MP1000 360



Olive

MP2000 90-210



Black

MP2000 210-270



Green

MP2000 360



Red

MP3000 90-210



Blue

MP3000 210-270



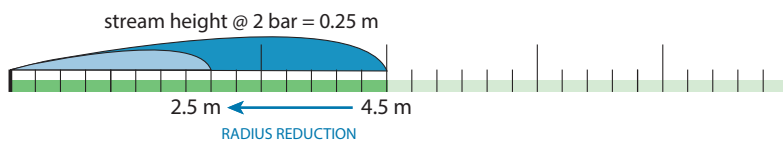
Yellow

MP3000 360



Gray

MP CORNER



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.

MP Corner



45-105°

MP1000 radius reduced (2.7 m radius)

no overlap needed first 0.9 m

MP Corner (full radius)

3.7 m

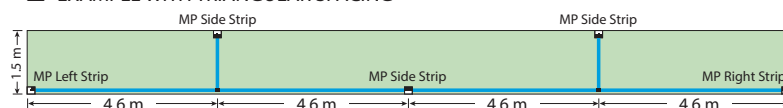
45°

MP1000 radius reduced (2.7 m radius)

EXAMPLE @ 45°

MP STRIP

▲ EXAMPLE WITH TRIANGULAR SPACING



The three new MP Strip models of the MP Rotator family offer an exciting alternative to conventional spray heads to meet the challenges of irrigating strip areas. Strip models offer improved uniformity and excellent wind-fighting ability. The reduced flow rate compared to conventional sprays makes longer runs and/or fewer zones possible.

MP LEFT STRIP



Ivory

MP SIDE STRIP



Brown

MP RIGHT STRIP



Copper

Arc Setting	MP1000*							MP2000*							MP3000**																																																														
	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°	200	2.00	3.7	36	0.61	11	12	175	1.75	5.2	71	1.18	11	12	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
	200	2.00	3.7	72	1.20	11	12	175	1.75	4.9	133	2.22	11	12	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
	200	2.00	3.7	85	1.41	11	13	175	1.75	4.9	155	2.58	11	12	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
	200	2.00	3.7	108	1.80	11	13	175	1.75	4.9	199	3.32	11	12	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
	200	2.00	3.5	144	2.40	12	14	175	1.75	4.9	265	4.42	11	12	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
	200	2.00	3.8	153	2.55	11	13	175	1.75	5.2	283	4.72	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							
	200	2.00	4.0	161	2.69	10	12	175	1.75	5.8	333	5.55	10	12	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							
200	2.00	4.1	169	2.81	10	12	175	1.75	6.1	348	5.80	10	11	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								
200	2.00	4.3	177	2.94	10	11	175	1.75	6.2	362	6.03	9	11	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								
200	2.00	4.4	183	3.05	10	11	175	1.75	6.4	375	6.25	9	10	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								
200	2.00	4.5	195	3.25	10	11	175	1.75	6.4	384	6.40	9	10	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								

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

Arc Setting	MP CORNER					MP LEFT STRIP				MP SIDE STRIP				MP RIGHT STRIP						
	kPa	bar	Rad. (M)	LPH	LPM	kPa	bar	Unadjusted Radius LPH	Reduced Radius LPH	Precip Rate*** mm/hr	kPa	bar	Unadjusted Radius LPH	Reduced Radius LPH	Precip Rate*** mm/hr	kPa	bar	Unadjusted Radius LPH	Reduced Radius LPH	Precip Rate*** mm/hr
45°	200	2.00	3.5	36	0.61	200	2.00	43	30	12	200	2.00	85	60	12	200	2.00	43	30	12
	225	2.25	3.8	38	0.63	225	2.25	45	33	12	225	2.25	90	66	12	225	2.25	45	33	12
	250	2.50	4.0	41	0.68	250	2.50	48	35	12	250	2.50	95	69	12	250	2.50	48	35	12
	275	2.75	4.1	42	0.70	275	2.75	50	36	12	275	2.75	100	73	12	275	2.75	50	36	12
	300	3.00	4.3	44	0.73	300	3.00	52	38	12	300	3.00	104	76	12	300	3.00	52	38	12
	325	3.25	4.3	45	0.75	325	3.25	54	40	12	325	3.25	108	79	12	325	3.25	54	40	12
	350	3.50	4.4	47	0.78	350	3.50	56	41	12	350	3.50	113	83	12	350	3.50	56	41	12
375	3.75	4.5	49	0.81	375	3.75	58	43	12	375	3.75	117	86	12	375	3.75	58	43	12	
90°	175	1.75	3.2	69	1.15	200 KPA 				200 KPA 				200 KPA 						
	200	2.00	3.5	76	1.27															
	225	2.25	3.8	79	1.31	350 KPA 				350 KPA 				350 KPA 						
	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															
350	3.50	4.4	100	1.67																
375	3.75	4.5	104	1.73																
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															
350	3.50	4.4	117	1.94																
375	3.75	4.5	120	2.00																

***Precip. rate at rectangular spacing. The slightly higher precipitation rate of the MP Strips is intentional. It compensates for the significant proportion of edge watering in strip applications.

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



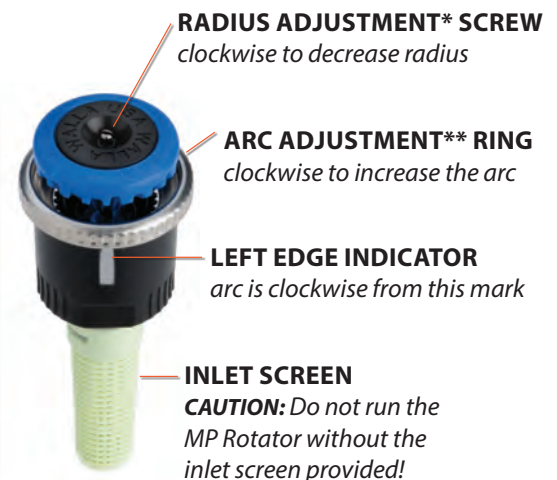
MP ROTATOR VS. ROTORS



- 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*
 - *New! MP Matchstick saves your back & knees*
- Lower cost



**THE MAGIC
OF MULTIPLE
ROTATING
STREAMS**



*Built-in slip clutch prevents damage from over adjustment.
**While water is on, use orange tool to engage built-in ratchet; move past the left or right stop until left edge is aligned.



THE MP ROTATOR® *saves water compared to conventional sprays & rotors*

WE TAKE THIS CLAIM VERY SERIOUSLY

*The water savings potential is real ...
it is big ... and the MP Rotator® is the future.*

The multi-trajectory, rotating streams of the MP Rotator apply water more slowly and uniformly than conventional sprays and rotors — especially after arc and radius adjustment. **Independent water audits now document water savings of 30% when conventional sprays are replaced with MP Rotators.** Additional water-saving advantages include better wind-resistance, less misting and virtually no run-off. Visit www.mprotator.com to learn more.



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