

MP2000

PRELIMINARY DATA

Radius = 16-21'

Pressure Range = 25-55 PSI

Flow Range = 0.31-1.70 GPM



MP ROTATOR™

A Matched Precipitation Sprinkler for Turf & Landscape



The MP2000 Rotator™ converts a conventional spray head into a short range rotor.



Walla Walla Sprinkler Company's MP Rotator™

is a revolutionary multi-stream, rotating sprinkler that is amazingly the size of a conventional, plastic spray nozzle. It's designed to fit any male-threaded spray head body or shrub adapter, transforming it into a short range rotor. The MP Rotator uses less water and offers higher uniformity than spray heads and has greater reliability at a lower cost than conventional stream rotors. It's also a matched precipitation sprinkler with an adjustable arc and radius in a single nozzle.

A WATER CONSERVATION TOOL

- Patented Rotator® sprinkler technology makes possible high uniformity and low application rates.
- Even coverage prevents over-compensating watering techniques.
- Low application rates reduce runoff problems associated with steep slopes and tight soils.
- Greater distance can be covered with less pressure than spray heads.

Fills a performance gap between spray heads and rotors

- The MP2000 has 1/3 the flow of 15-18 foot spray head nozzles.
- Its performance range solves design and maintenance problems associated with systems combining both spray heads and gear-driven rotors.
- It allows for a shorter radius sprinkler to match the precipitation of larger radius, gear-driven rotors, enabling system compatibility.

Fights wind and provides better coverage

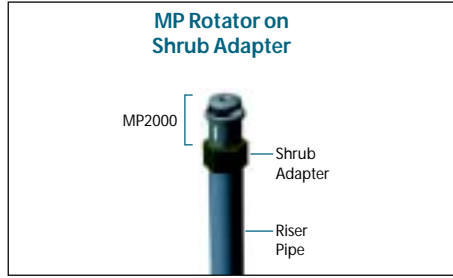
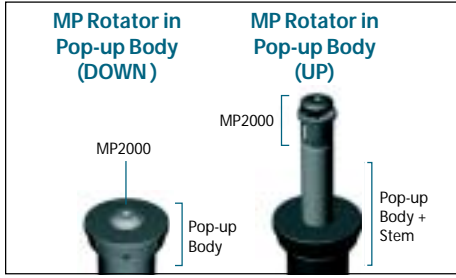
- High on-site uniformity is achieved with wind-fighting streams, sweeper streams, and the absence of misting at high pressure.
- Multiple streams apply more even coverage and a lower instantaneous application rate than single stream rotors.

Simplifies design, installation and maintenance

- Adjustable arc and adjustable radius with matched precipitation reduces the need to change nozzles.
- Lower application rates allow for a system design with fewer valves and smaller pipe sizes than sprayhead zones.
- This product simplifies design and management by matching the precipitation rate of gear drive rotors.
- Its ability to retrofit on any male-threaded pop-up body or shrub adapter also provides a low cost solution to sprayhead problems caused by low pressure, stretched spacing, windy conditions and poor spray nozzle uniformity.

SAVE WATER, SAVE ENERGY AND DO A BETTER JOB OF IRRIGATING.

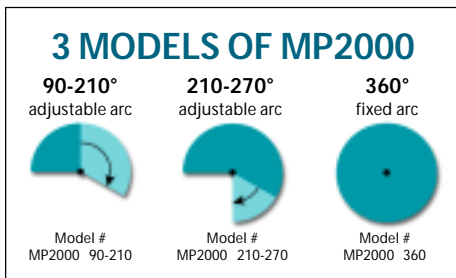
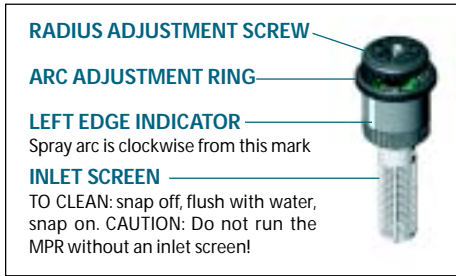
The MP2000 fits male-threaded pop-up bodies & shrub adapters



FEATURES

- Matched precipitation rate.
- Multiple rotating streams.
- Adjustable arc, adjustable radius.
- High uniformity.
- Low application rate.
- Detachable inlet screen.
- Field-proven technology. Rotator® sprinkler technology has made a positive impact on the agricultural market's ability to grow healthy crops while conserving water and energy.

Use in place of spray head nozzles or stream rotors and as a transition between sprays and rotors. Good for small to medium turf and landscaped areas, slopes, berms, and problem soils.



ADJUSTMENT INSTRUCTIONS

EASY ARC ADJUSTMENT

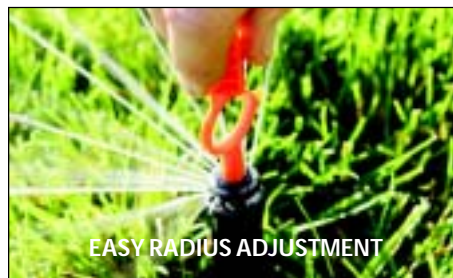
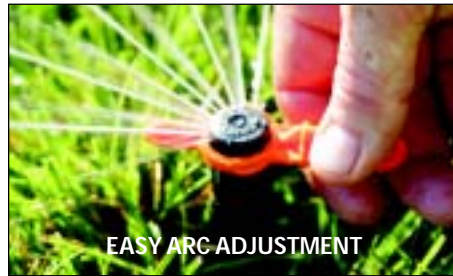
(Full-circle model has a fixed arc)

- Install the MP Rotator with the "Left Edge Indicator" pointing to left side of the desired watering area.
- Turn the water on.
- With the MP Rotator in the pop-up position, rotate arc adjustment ring:
 - clockwise to increase the arc
 - counterclockwise to decrease arc

RADIUS ADJUSTMENT

(Use MP Rotator tool or flat-bladed screwdriver)

- Factory setting is for full radius.
- With a small flat-bladed screwdriver rotate screw:
 - clockwise to decrease radius
 - counterclockwise to increase radius



PRELIMINARY DATA

MP2000 90-210° (adjustable arc)					
Arc	PSI	Rad. Ft.	GPM	in/hr. ■	in/hr. ▲
90°	25	16	0.31	0.44	0.50
	30	17	0.33	0.42	0.49
	35	18	0.37	0.41	0.47
	40	19	0.40	0.39	0.45
	45	20	0.42	0.38	0.43
	50	21	0.44	0.36	0.41
55	21	0.47	0.37	0.43	
135°	25	16	0.43	0.44	0.50
	30	17	0.48	0.42	0.49
	35	18	0.51	0.41	0.47
	40	19	0.55	0.39	0.45
	45	20	0.59	0.38	0.43
	50	21	0.62	0.36	0.41
55	21	0.65	0.37	0.43	
180°	25	16	0.58	0.44	0.50
	30	17	0.63	0.42	0.49
	35	18	0.69	0.41	0.47
	40	19	0.74	0.39	0.45
	45	20	0.78	0.38	0.43
	50	21	0.83	0.36	0.41
55	21	0.85	0.37	0.43	
210°	25	16	0.68	0.44	0.50
	30	17	0.74	0.42	0.49
	35	18	0.80	0.41	0.47
	40	19	0.86	0.39	0.45
	45	20	0.92	0.38	0.43
	50	21	0.97	0.36	0.41
55	21	1.01	0.37	0.43	
MP2000 210-270° (adjustable arc)					
Arc	PSI	Rad. Ft.	GPM	in/hr. ■	in/hr. ▲
210°	25	16	0.68	0.44	0.50
	30	17	0.74	0.42	0.49
	35	18	0.80	0.41	0.47
	40	19	0.86	0.39	0.45
	45	20	0.92	0.38	0.43
	50	21	0.97	0.36	0.41
55	21	1.01	0.37	0.43	
270°	25	16	0.87	0.44	0.50
	30	17	0.95	0.42	0.49
	35	18	1.03	0.41	0.47
	40	19	1.10	0.39	0.45
	45	20	1.17	0.38	0.43
	50	21	1.23	0.36	0.41
55	21	1.30	0.37	0.43	
MP2000 360° (fixed arc)					
Arc	PSI	Rad. Ft.	GPM	in/hr. ■	in/hr. ▲
360°	25	16	1.16	0.44	0.50
	30	17	1.27	0.42	0.49
	35	18	1.37	0.41	0.47
	40	19	1.47	0.39	0.45
	45	20	1.56	0.38	0.43
	50	21	1.64	0.36	0.41
55	21	1.70	0.37	0.43	

Precipitation rates are based on head-to-head throw coverage. Maximum recommended radius reduction 25%.



A subsidiary of Nelson Irrigation Corporation

Walla Walla Sprinkler Company
 848 Airport Rd., Walla Walla, WA 99362, U.S.A.
 Tel: 509.525.7660 — Fax: 509.525.7907
 info@mprotator.com — www.mprotator.com

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