



Easy radius adjustment.



Easy arc adjustment.



Radius Adjustment Screw

Arc Adjustment Ring

Left Edge Indicator

Inlet Screen

### 1. Arc Adjustment:

(Excludes 360 models)

- Install the MP Rotator with the **Left Edge Indicator** pointing to the left side of the desired watering direction.
- With the MP Rotator operating and in the pop-up position, rotate the **Arc Adjustment Ring**:
  - Clockwise to increase the arc
  - Counter-clockwise to decrease the arc

### 2. Radius Adjustment:

- Factory setting is for full radius. Radius can be reduced by 25%.
- With the MP Rotator tool or small, flat-bladed screwdriver, rotate the **Radius Adjustment Screw**:
  - Clockwise to decrease the arc
  - Counter-clockwise to increase the arc.

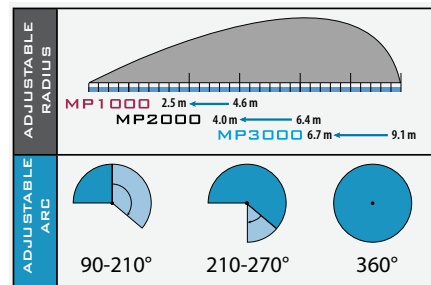


# MP ROTATOR®

## The Ideal 2.5 m-9 m Solution

**Maintain Matched Precipitation — Any Arc, Any Radius.**

All MP Rotator® sprinklers can be combined on the same zone for greater design and installation flexibility.



## Water Conservation

MP Rotators are more efficient than sprays because they apply water more slowly and evenly. In fact, you **use 30% less water** even though you run MP Rotators about twice as long as sprays. See below for comparison at 2.1 Bars/207 kPa with half-circle operation:

- 15H Spray Nozzle 7 litres/minute x 10 minute run time = 70 litres
- MP2000 90-210° 2.35 litres/minute x 20 minute run time = 47 litres

**SAVINGS = 23 litres or 33%**

## Lower System Cost

The good news about applying water more slowly and evenly is that MP Rotators lower your system costs. You can run more heads off your water meter and reduce the number of zones required. In many cases, you can use smaller pipe. See below for comparison at 2.1 Bars/207 kPa with half-circle operation.

Flow (LPM)	Max. # 15H Sprays	Max. # MP2000s
60	8	25
80	11	35
8.3	20	59

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**MP Rotator Performance Data – Metric**

Arc	MP1000 Radius: 2.5 to 4.6 m Adjustable Arc and Full Circle Color Code: Maroon or Olive						MP2000 Radius: 4 to 6.4 m Adjustable Arc and Full Circle Color Code: Black, Green, or Red						MP3000 Radius: 6.7 to 9.1 m Adjustable Arc and Full Circle Color Code: Blue, Yellow, or Gray							
	Pressure Bars	Pressure kPa	Color	Radius m	Flow LPH	Flow LPM	Precip mm/hr	Color	Radius m	Flow LPH	Flow LPM	Precip mm/hr	Color	Radius m	Flow LPH	Flow LPM	Precip mm/hr			
90°	1.75	175	Maroon = 90° to 210°	---	---	---	---	Black = 90° to 210°	5.2	71	1.18	11	12	Blue = 90° to 210°	7.6	158	2.63	11	13	
	2.00	200		3.7	36	0.61	11		12	5.5	74	1.23	10		11	8.2	166	2.77	10	11
	2.25	225		3.8	38	0.63	10		12	5.6	80	1.33	10		12	8.4	175	2.92	10	12
	2.50	250		4.0	41	0.68	10		12	5.8	86	1.43	10		12	8.5	185	3.08	10	12
	2.75	275		4.1	42	0.70	10		11	6.1	91	1.52	10		11	9.1	195	3.25	9	11
	3.00	300		4.3	44	0.73	10		11	6.4	94	1.57	9		11	9.1	203	3.38	10	11
	3.25	325		4.3	45	0.75	10		11	6.6	97	1.62	9		10	9.1	212	3.53	10	12
180°	3.50	350	4.4	47	0.78	10	11	6.7	101	1.68	9	10	9.1	220	3.67	11	12			
	3.75	375	4.6	49	0.81	9	11	6.7	106	1.77	9	11	9.1	228	3.80	11	13			
	1.75	175	---	---	---	---	---	4.9	133	2.22	11	12	7.6	329	5.48	11	13			
	2.00	200	3.7	72	1.20	11	12	5.2	141	2.35	11	13	8.2	353	5.88	10	12			
	2.25	225	3.8	76	1.27	10	12	5.3	150	2.50	11	12	8.4	373	6.22	11	12			
	2.50	250	4.0	81	1.35	10	12	5.5	160	2.67	11	13	8.5	393	6.55	11	12			
	2.75	275	4.1	84	1.40	10	11	5.8	168	2.80	10	12	9.1	413	6.88	10	11			
210°	3.00	300	4.3	88	1.46	10	11	6.1	174	2.90	10	11	9.1	431	7.18	10	12			
	3.25	325	4.3	91	1.51	10	11	6.2	182	3.03	9	11	9.1	449	7.48	11	12			
	3.50	350	4.4	94	1.56	10	11	6.4	189	3.15	9	10	9.1	466	7.77	11	13			
	3.75	375	4.6	97	1.62	9	11	6.4	193	3.22	9	11	9.1	481	8.02	12	13			
	1.75	175	---	---	---	---	---	4.9	155	2.58	11	12	7.6	384	6.40	11	13			
	2.00	200	3.7	85	1.41	11	13	5.2	165	2.75	11	13	8.2	411	6.85	10	12			
	2.25	225	3.8	89	1.48	10	12	5.3	175	2.92	11	13	8.4	436	7.27	11	12			
270°	2.50	250	4.0	95	1.58	10	12	5.5	185	3.08	10	12	8.5	459	7.65	11	12			
	2.75	275	4.1	98	1.63	10	11	5.8	195	3.25	10	12	9.1	481	8.02	10	11			
	3.00	300	4.3	102	1.71	10	11	6.1	205	3.42	10	11	9.1	502	8.37	10	12			
	3.25	325	4.3	106	1.76	10	11	6.2	214	3.57	9	11	9.1	523	8.72	11	12			
	3.50	350	4.4	109	1.82	10	11	6.4	222	3.70	9	10	9.1	542	9.03	11	13			
	3.75	375	4.6	113	1.89	9	11	6.4	228	3.80	10	11	9.1	562	9.37	12	13			
	360°	1.75	175	---	---	---	---	---	4.9	199	3.32	11	12	7.6	501	8.35	12	13		
2.00		200	3.7	108	1.80	11	13	5.2	212	3.53	11	13	8.2	530	8.83	10	12			
2.25		225	3.8	114	1.90	10	12	5.3	225	3.75	11	13	8.4	560	9.33	11	12			
2.50		250	4.0	123	2.05	10	12	5.5	238	3.97	10	12	8.5	589	9.82	11	12			
2.75		275	4.1	126	2.10	10	11	5.8	249	4.15	10	12	9.1	619	10.32	10	11			
3.00		300	4.3	132	2.20	10	11	6.1	261	4.35	10	11	9.1	646	10.77	10	12			
3.25		325	4.3	135	2.25	10	11	6.2	272	4.53	9	11	9.1	673	11.22	11	12			
MP Corner	3.50	350	4.4	141	2.35	10	11	6.4	282	4.70	9	10	9.1	701	11.68	11	13			
	3.75	375	4.6	147	2.45	9	11	6.4	293	4.88	9	11	9.1	727	12.12	12	13			
	1.75	175	---	---	---	---	---	4.9	265	4.42	11	12	7.6	659	10.98	11	13			
	2.00	200	3.5	144	2.40	12	14	5.2	283	4.72	11	13	8.2	703	11.72	10	12			
	2.25	225	3.8	153	2.55	11	13	5.3	300	5.00	11	13	8.4	745	12.42	11	12			
	2.50	250	4.0	161	2.69	10	12	5.5	317	5.28	10	12	8.5	786	13.10	11	12			
	2.75	275	4.1	169	2.81	10	12	5.8	333	5.55	10	12	9.1	825	13.75	10	11			
MP Corner	3.00	300	4.3	177	2.94	10	12	6.1	348	5.80	10	11	9.1	862	14.37	10	12			
	3.25	325	4.3	183	3.05	10	11	6.2	362	6.03	9	11	9.1	897	14.95	11	12			
	3.50	350	4.4	190	3.17	10	11	6.4	375	6.25	9	10	9.1	931	15.52	11	13			
	3.75	375	4.5	195	3.25	10	11	6.4	384	6.40	9	10	9.1	964	16.07	12	13			
	1.75	175	---	---	---	---	---	4.9	265	4.42	11	12	7.6	659	10.98	11	13			
	2.00	200	3.5	144	2.40	12	14	5.2	283	4.72	11	13	8.2	703	11.72	10	12			
	2.25	225	3.8	153	2.55	11	13	5.3	300	5.00	11	13	8.4	745	12.42	11	12			
MP Corner	2.50	250	4.0	161	2.69	10	12	5.5	317	5.28	10	12	8.5	786	13.10	11	12			
	2.75	275	4.1	169	2.81	10	12	5.8	333	5.55	10	12	9.1	825	13.75	10	11			
	3.00	300	4.3	177	2.94	10	12	6.1	348	5.80	10	11	9.1	862	14.37	10	12			
	3.25	325	4.3	183	3.05	10	11	6.2	362	6.03	9	11	9.1	897	14.95	11	12			
	3.50	350	4.4	190	3.17	10	11	6.4	375	6.25	9	10	9.1	931	15.52	11	13			
	3.75	375	4.5	195	3.25	10	11	6.4	384	6.40	9	10	9.1	964	16.07	12	13			



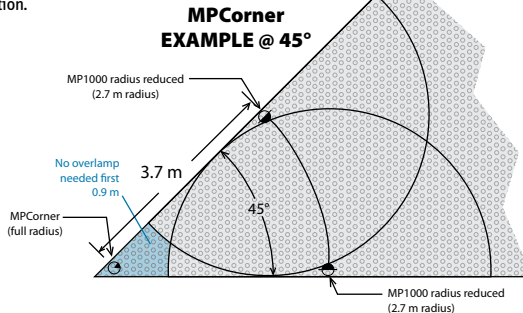
**MP Rotator Performance Data – Metric**

Arc	MP Corner Radius: 2.4 to 4.6 m Adjustable Arc Color Code: Turquoise					
	Pressure Bars	Pressure kPa	Color	Radius m	Flow LPH	Flow LPM
45°	1.75	175	Turquoise = 45° to 108°	---	---	0.61
	2.00	200		3.5	36	0.63
	2.25	225		3.8	38	0.68
	2.50	250		4.0	41	0.70
	2.75	275		4.1	42	0.73
	3.00	300		4.3	44	0.75
	3.25	325		4.3	45	0.78
90°	3.50	350	4.4	47	0.81	
	3.75	375	4.5	49	0.81	
	1.75	175	3.2	69	1.15	
	2.00	200	3.5	76	1.27	
	2.25	225	3.8	79	1.31	
	2.50	250	4.0	84	1.40	
	2.75	275	4.1	86	1.44	
105°	3.00	300	4.3	94	1.57	
	3.25	325	4.3	98	1.63	
	3.50	350	4.4	100	1.67	
	3.75	375	4.5	104	1.73	
	1.75	175	3.2	80	1.34	
	2.00	200	3.5	89	1.48	
	2.25	225	3.8	92	1.53	
MP Corner	2.50	250	4.0	98	1.63	
	2.75	275	4.1	102	1.70	
	3.00	300	4.3	110	1.83	
	3.25	325	4.3	113	1.88	
	3.50	350	4.4	117	1.94	
	3.75	375	4.5	120	2.00	

**MP Rotator Performance Data – Metric**

Nozzle Model	MPLCS515 MPRCS515 MPSS530					
	Pressure Bars	Pressure kPa	Color	Unadjusted Radius LPH	Reduced Radius LPH	Precip Rate mm/hr
MP Left Strip	2.00	200	Ivory	43	30	12
	2.25	225		45	33	12
	2.50	250		48	35	12
	2.75	275		50	36	12
	3.00	300		52	38	12
	3.25	325		54	40	12
	3.50	350		56	41	12
MP Right Strip	3.75	375	58	43	12	
	2.00	200	Copper	43	30	12
	2.25	225		45	33	12
	2.50	250		48	35	12
	2.75	275		50	36	12
	3.00	300		52	38	12
	3.25	325		54	40	12
3.50	350	56		41	12	
MP Side Strip	3.75	375	58	43	12	
	2.00	200	Brown	85	60	12
	2.25	225		90	66	12
	2.50	250		95	69	12
	2.75	275		100	73	12
	3.00	300		104	76	12
	3.25	325		108	79	12
3.50	350	113		83	12	
3.75	375	117	86	12		

Radius measured on a 4" high riser. \* To obtain full radius reduction for the MP1000 and MP2000, operate at a maximum of 2.1 Bars/207 kPa.  
\*\* When operating the MP3000 at full radius reduction maintain a minimum pressure of 2.8 Bars/276 kPa to assure reliable operation.



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