



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 4 full turns to decrease arc to minimum
  - Counter-clockwise 4 full turns to increase arc to maximum

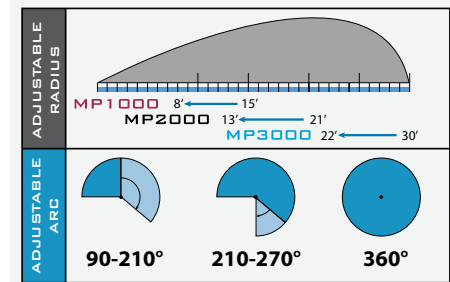


# MP ROTATOR®

## The Ideal 8'–30' 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 30 PSI with half-circle operation:

- 15H Spray Nozzle 1.85 GPM x 10 minute run time = 18.5 gallons
- MP2000 90-210° 0.63 GPM x 20 minute run time = 12.6 gallons

**SAVINGS = 5.9 gallons or 31.9%**

### 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 30 PSI with half-circle operation.

AWWA	Max. Safe Flow (GPM)	Loss (PSI)	Max. # 15H Sprays	Max. # MP2000s
5/8"	15	8.3	8	24
3/4"	22	7.9	12	35
1"	37	8.3	20	59

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## MP Rotator Performance Data

Arc	Pressure PSI	MP1000 Radius: 8' to 15' Adjustable Arc and Full Circle Color Code: Maroon, Lt. Blue, or Olive					MP2000 Radius: 13' to 21' Adjustable Arc and Full Circle Color Code: Black, Green, or Red					MP3000 Radius: 22' to 30' Adjustable Arc and Full Circle Color Code: Blue, Yellow, or Gray						
		Color	Radius ft.	Flow GPM	Flow GPH	Precip in/hr	Color	Radius ft.	Flow GPM	Flow GPH	Precip in/hr	Color	Radius ft.	Flow GPM	Flow GPH	Precip in/hr		
90°	25	Maroon	12'	-	-	-	17'	0.31	18.6	0.41	0.48	Blue	25'	0.69	41.4	0.43	0.49	
	30		12'	0.16	9.6	0.43	0.50	18'	0.33	19.8	0.39		0.45	27'	0.74	44.4	0.39	0.45
	35		13'	0.18	10.8	0.40	0.46	19'	0.37	22.2	0.39		0.46	28'	0.80	48	0.39	0.45
	40		14'	0.19	11.4	0.39	0.45	20'	0.40	24	0.39		0.44	30'	0.86	51.6	0.37	0.43
	45		14'	0.20	12	0.39	0.45	21'	0.42	25.2	0.37		0.42	30'	0.91	54.6	0.39	0.45
180°	25	Maroon	12'	-	-	-	16'	0.58	34.8	0.44	0.50	Black	25'	1.44	86.4	0.44	0.51	
	30		12'	0.32	19.2	0.43	0.50	17'	0.63	37.8	0.42		0.49	27'	1.58	94.8	0.42	0.48
	35		13'	0.35	21	0.40	0.46	18'	0.69	41.4	0.41		0.47	28'	1.70	102	0.42	0.48
	40		14'	0.37	22.2	0.39	0.45	19'	0.74	44.4	0.39		0.45	30'	1.82	109.2	0.39	0.45
	45		14'	0.40	24	0.39	0.45	20'	0.78	46.8	0.38		0.43	30'	1.93	115.8	0.41	0.48
210°	25	Lt. Blue	12'	-	-	-	16'	0.68	40.8	0.44	0.50	Yellow	25'	1.68	100.8	0.44	0.51	
	30		12'	0.37	22.2	0.43	0.50	17'	0.74	44.4	0.42		0.49	27'	1.84	110.4	0.42	0.48
	35		13'	0.41	24.6	0.40	0.46	18'	0.80	48	0.41		0.47	28'	1.99	119.4	0.42	0.48
	40		14'	0.43	25.8	0.39	0.45	19'	0.86	51.6	0.39		0.45	30'	2.12	127.2	0.39	0.45
	45		14'	0.46	27.6	0.39	0.45	20'	0.92	55.2	0.38		0.43	30'	2.25	135	0.41	0.48
270°	25	Lt. Blue	12'	-	-	-	16'	0.87	52.2	0.44	0.50	Yellow	25'	2.19	131.4	0.45	0.52	
	30		12'	0.48	29	0.43	0.50	17'	0.95	57	0.42		0.49	27'	2.37	142.2	0.42	0.48
	35		13'	0.54	32	0.40	0.46	18'	1.03	61.8	0.41		0.47	28'	2.55	153	0.42	0.48
	40		14'	0.57	34	0.39	0.45	19'	1.10	66	0.39		0.45	30'	2.73	163.8	0.39	0.45
	45		14'	0.60	36	0.39	0.45	20'	1.17	70.2	0.38		0.43	30'	2.89	173.4	0.41	0.48
360°	25	Olive	12'	-	-	-	16'	1.16	69.6	0.44	0.50	Gray	25'	2.88	172.8	0.44	0.51	
	30		12'	0.65	39	0.43	0.50	17'	1.27	76.2	0.42		0.49	27'	3.15	189	0.42	0.48
	35		13'	0.71	42.6	0.40	0.47	18'	1.37	82.2	0.41		0.47	28'	3.40	204	0.42	0.48
	40		14'	0.75	45	0.39	0.46	19'	1.47	88.2	0.39		0.45	30'	3.64	218.4	0.39	0.45
	45		14'	0.80	48	0.39	0.45	20'	1.56	93.6	0.38		0.43	30'	3.86	231.6	0.41	0.48
50	14'	0.84	50.4	0.38	0.44	21'	1.64	98.4	0.36	0.41	30'	4.07	244.2	0.44	0.50			
55	15'	0.87	52.2	0.37	0.43	21'	1.70	102	0.37	0.43	30'	4.27	256.2	0.46	0.53			



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### MP Rotator Performance Data

Arc	Pressure PSI	MPCorner Radius: 8' to 15' Adjustable Arc Color Code: Turquoise			
		Color	Radius ft.	Flow GPM	Flow GPH
45°	25	Turquoise	12'	-	-
	30		12'	0.17	10.2
	35		13'	0.18	10.8
	40		14'	0.19	11.4
	45		14'	0.21	12.6
90°	25	Turquoise	11'	0.31	18.6
	30		12'	0.34	20.4
	35		13'	0.36	21.6
	40		14'	0.39	23.4
	45		14'	0.41	24.6
105°	25	Turquoise	11'	0.36	21.6
	30		12'	0.39	23.4
	35		13'	0.42	25.2
	40		14'	0.45	27
	45		14'	0.48	28.8
50	15'	0.51	30.6		
55	15'	0.53	31.8		

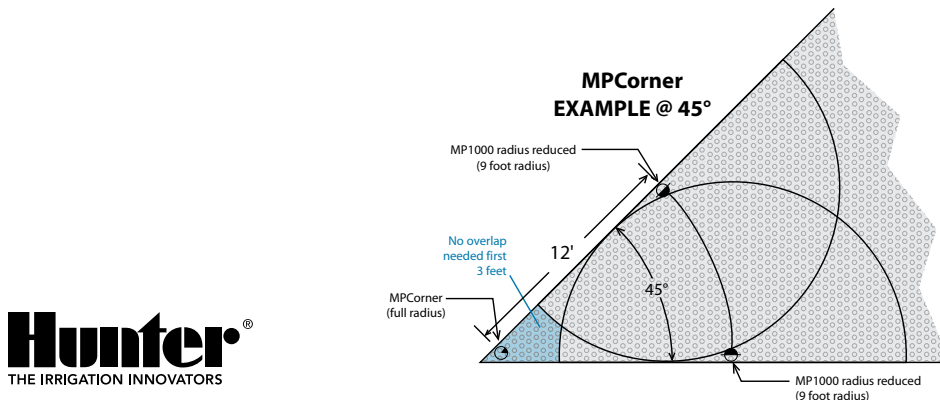
### MP Rotator Performance Data

Nozzle Model	Pressure PSI	MPLCCS15 MPCRCS15 MPSS530			Flow GPM	Flow GPH
		Color	Width x Length	Flow GPM		
MP Left Strip	30	Ivory	4' x 14'	0.19	11.4	
	35		5' x 15'	0.21	12.6	
	40		5' x 15'	0.22	13.2	
	45		5' x 15'	0.23	13.8	
	50		6' x 16'	0.25	15	
MP Right Strip	30	Copper	4' x 14'	0.19	11.4	
	35		5' x 15'	0.21	12.6	
	40		5' x 15'	0.22	13.2	
	45		5' x 15'	0.23	13.8	
	50		6' x 16'	0.25	15	
MP Side Strip	30	Brown	4' x 28'	0.38	22.8	
	35		5' x 30'	0.41	24.6	
	40		5' x 30'	0.44	26.4	
	45		5' x 30'	0.47	28.2	
	50		6' x 32'	0.49	29.4	
55	6' x 32'	0.51	30.6			

Note: Strip pattern radius can be adjusted by 25%. MP Rotator is designed to maintain matched precipitation after radius adjustment.

Radius measured on a 4" high riser. To obtain full radius reduction for the MP1000 and MP2000, operate at a maximum of 30 PSI.

\* When operating the MP3000 at full radius reduction, maintain a minimum pressure of 40 PSI to ensure reliable operation.



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