

MP Rotator® MP800 Nozzle

The MP Rotator MP800 Nozzle offers a higher precipitation rate designed for small spaces and spray retrofits.

KEY BENEFITS

- Simplify irrigation design and add flexibility with automatic matched precipitation rate of 20 mm/hr
- Convert sprays to high-efficiency MP800 Nozzles with minimal run time increases
- Irrigate small-to-midsized spaces efficiently with high uniformity from the nozzle
- Maximise water efficiency with high distribution uniformity for healthy landscapes
- Reduce runoff and misting with strong, wind-resistant streams that cut through wind
- Protect the nozzle from debris with the MP Rotator double-pop feature



OPERATING SPECIFICATIONS

- Radius reduction up to approximately 25%
- Recommended operating pressure: 2.8 bar; 280 kPa
- Minimum radius setting achieved at 2.1 bar; 210 kPa
- Filtration recommended on dirty water applications
- Warranty period: 3 years

OPTIONS

- Pair with the Pro-Spray® PRS40 Sprinkler Body for pressure regulation to 2.8 bar; 280 kPa for nominal radius settings
- Pair with the Pro-Spray PRS30 Sprinkler Body for pressure regulation to 2.1 bar; 210 kPa for minimum radius settings

MP ROTATOR PERFORMANCE DATA - METRIC*

MP-800SR

Radius: 1.8 to 3.5 m
Adjustable Arc
Orange and Grey: 90° to 210°
Lime Green and Grey: 360°

					Min Radius			Max Radius				
Arc	Pressure				Radius	Flow		Radius	Flow		Precip mm/hr	
	bar	kPa			m	m ³ /hr	l/min	m	m ³ /hr	l/min		
90° 	2.1	210			1.8	0.03	0.49	2.6	0.04	0.61	22	25
	2.5	250			2.1	0.03	0.55	2.9	0.04	0.72	21	24
	2.8	280			2.4	0.04	0.61	3.1	0.05	0.87	21	24
	3.0	300			2.4	0.04	0.68	3.4	0.06	0.95	20	23
	3.5	350			2.7	0.04	0.72	3.5	0.06	1.02	20	23
	3.8	380			3.0	0.05	0.76	3.5	0.06	1.06	20	23
180° 	2.1	210			1.8	0.06	0.98	2.6	0.07	1.21	22	25
	2.5	250			2.1	0.07	1.10	2.8	0.08	1.40	21	24
	2.8	280			2.4	0.07	1.21	3.0	0.10	1.59	21	24
	3.0	300			2.4	0.08	1.36	3.3	0.10	1.74	19	22
	3.5	350			2.7	0.09	1.44	3.4	0.11	1.82	19	22
	3.8	380			3.0	0.09	1.51	3.5	0.11	1.89	18	21
210° 	2.1	210			1.8	0.07	1.15	2.6	0.08	1.40	22	25
	2.5	250			2.1	0.08	1.28	2.8	0.10	1.67	22	25
	2.8	280			2.4	0.08	1.41	3.0	0.11	1.85	21	24
	3.0	300			2.4	0.10	1.59	3.2	0.12	2.01	20	23
	3.5	350			2.7	0.10	1.68	3.4	0.13	2.12	19	22
	3.8	380			3.0	0.11	1.77	3.5	0.13	2.20	18	21
360° 	2.1	210			1.8	0.11	1.78	2.6	0.14	2.38	22	25
	2.5	250			2.1	0.12	1.97	2.8	0.16	2.65	20	23
	2.8	280			2.4	0.13	2.12	3.0	0.18	2.95	20	23
	3.0	300			2.4	0.13	2.23	3.1	0.19	3.22	20	23
	3.5	350			2.7	0.14	2.38	3.3	0.20	3.33	19	21
	3.8	380			3.0	0.16	2.65	3.5	0.22	3.71	18	21

Bold = Optimal pressure for the MP Rotator is 2.8 bar; 280 kPa. This can easily be achieved by using the MP Rotator with the Pro-Spray PRS40 Sprinkler Body, pressure regulated at 2.8 bar; 280 kPa.

* Flow and precipitation rates may change as a result of reducing radius.

MP-815

- Radius: 2.5 to 4.9 m
- Adjustable Arc & Full-Circle
- Maroon and Grey: 90° to 210°
- Lt. Blue and Grey: 210° to 270°
- Olive and Grey: 360°

Arc	Pressure				Radius	Flow		Precip in/hr	
	bar	kPa			m	m3/hr	l/min		
90° 	2.1	210			4.3	0.10	1.59	21	24
	2.5	250			4.5	0.10	1.74	21	24
	2.8	280			4.6	0.11	1.85	21	24
	3.1	310			4.8	0.12	1.97	21	24
	3.5	350			4.9	0.12	2.08	21	24
	3.8	380			4.9	0.13	2.20	22	25
180° 	2.1	210			4.0	0.17	2.84	21	25
	2.5	250			4.3	0.20	3.26	21	24
	2.8	280			4.5	0.21	3.52	21	24
	3.1	310			4.6	0.22	3.63	21	24
	3.5	350			4.8	0.24	4.01	21	24
	3.8	380			4.9	0.25	4.20	21	24
210° 	2.1	210			4.0	0.20	3.33	21	25
	2.5	250			4.3	0.22	3.63	20	23
	2.8	280			4.5	0.25	4.16	21	24
	3.1	310			4.6	0.26	4.39	21	25
	3.5	350			4.8	0.28	4.69	21	24
	3.8	380			4.9	0.30	4.92	21	24
270° 	2.1	210			4.0	0.26	4.31	22	25
	2.5	250			4.3	0.28	4.69	20	23
	2.8	280			4.5	0.32	5.30	21	24
	3.1	310			4.6	0.33	5.56	21	24
	3.5	350			4.8	0.35	5.83	20	23
	3.8	380			4.9	0.37	6.09	20	23
360° 	2.1	210			4.0	0.35	5.75	22	25
	2.5	250			4.3	0.39	6.43	21	24
	2.8	280			4.5	0.42	7.08	21	24
	3.1	310			4.6	0.45	7.57	21	25
	3.5	350			4.8	0.48	8.06	21	24
	3.8	380			4.9	0.51	8.55	21	25

Bold = Optimal pressure for the MP Rotator is 2.8 bar; 280 kPa. This can easily be achieved by using the MP Rotator with the Pro-Spray PRS40 Sprinkler Body, pressure regulated at 2.8 bar; 280 kPa.

MP-820

- Radius: 1.8 m to 7.3 m
- Adjustable Arc & Full-Circle
- Black and grey: 90° to 210°
- Green and grey: 210° to 270°
- Red and grey: 360°

Arc	Pressure			Radius	Flow		Precip in/hr	
	bar	kPa		m	m3/hr	l/min	■	▲
90° 	2.1	210		6.1	0.19	3.20	21	24
	2.5	250		6.4	0.21	3.51	21	24
	2.8	280		6.7	0.22	3.65	20	23
	3.0	300		7.0	0.24	4.01	20	23
	3.5	350		7.3	0.25	4.19	19	22
	3.8	380		7.3	0.26	4.37	20	23
180° 	2.1	210		6.1	0.39	6.50	21	24
	2.5	250		6.4	0.41	6.86	20	23
	2.8	280		6.7	0.46	7.58	20	23
	3.0	300		6.7	0.47	7.79	21	24
	3.5	350		7.0	0.50	8.36	20	24
	3.8	380		7.3	0.54	8.92	20	23
210° 	2.1	210		6.1	0.44	7.34	20	23
	2.5	250		6.4	0.48	7.92	20	23
	2.8	280		6.7	0.54	8.93	20	24
	3.0	300		6.7	0.54	9.02	21	24
	3.5	350		7.0	0.57	9.54	20	23
	3.8	380		7.3	0.60	10.06	19	22
270° 	2.1	210		6.1	0.58	9.58	21	24
	2.5	250		6.4	0.62	10.36	20	23
	2.8	280		6.7	0.68	11.35	20	23
	3.0	300		6.7	0.71	11.81	21	24
	3.5	350		7.0	0.75	12.49	20	24
	3.8	380		7.3	0.79	13.16	20	23
360° 	2.1	210		6.1	0.77	12.85	21	24
	2.5	250		6.4	0.84	13.92	20	24
	2.8	280		6.7	0.90	14.99	20	23
	3.0	300		6.7	0.93	15.41	21	24
	3.5	350		7.0	0.98	16.27	20	23
	3.8	380		7.3	1.03	17.13	19	22

Bold = Optimal pressure for the MP Rotator is 2.8 bar; 280 kPa. This can easily be achieved by using the MP Rotator with the Pro-Spray PRS40 Sprinkler Body, pressure regulated at 2.8 bar; 280 kPa.

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