

MP-820-90



Product Line: MP Rotator Nozzles

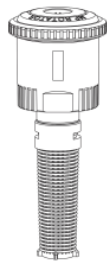
Product Model: MP Rotator® MP800 Nozzle

SKU: MP82090

Description: MP Rotator Nozzle, 20 mm/hr precipitation rate, 4.6 m to 7.3 m radius, 90° to 210° adjustable arc, female thread, grey and black

Dimensions

Diameter: 25.40 mm



Operating Specifications

Arc: 90° to 210°

Operating Pressure: 2.8 bar; 280 kPa

Precipitation Rate: 20 mm/hr

Radius: 1.8 to 7.3 m

Flow: 0.19 to 0.26 m³/hr; 3.20 to 4.37 l/min

Shipping Information

UPC-A: 196055004800

Origin: MADEINUSA

Master Carton: 200

Additional Information

Arc: 90° - 210°

Radius: 4.6 m – 7.3 m

MP ROTATOR PERFORMANCE DATA - Metric*

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°

MP-800SR

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

Arc	Pressure		Min Radius			Max Radius			Precip mm/hr	
			Radius		Flow	Radius		Flow		
	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
180° 	3.8	380	3.0	0.05	0.76	3.5	0.06	1.06	20	23
	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
210° 	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
	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
360° 	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
	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.

Arc	Pressure		Radius	Flow		Precip in/hr	
	bar	kPa		m ³ /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
180° 	3.8	380	4.9	0.13	2.20	22	25
	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
210° 	3.5	350	4.8	0.24	4.01	21	24
	3.8	380	4.9	0.25	4.20	21	24
	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
270° 	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
	2.1	210	4.0	0.26	4.31	22	25
	2.5	250	4.3	0.28	4.69	20	23
360° 	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
	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

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MP-820

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

Arc	Pressure				Radius		Flow		Precip in/hr	
	bar	kPa			m	m3/hr	l/min			
	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	
	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	
	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	
	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	
	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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