MP rotator Pop-up nozzle

Hunter

The MP Rotators are unique water-saving spray head nozzles that can be installed in a spray head pop-up holder (see information sheet). MP stands for 'Matched Precipitation', a unique method that enables an optimum and uniform precipitation with the water flow rate and spraying range being kept in ratio. It is possible to use nozzles designed for different sectors in between one another since the right ratio is maintained.
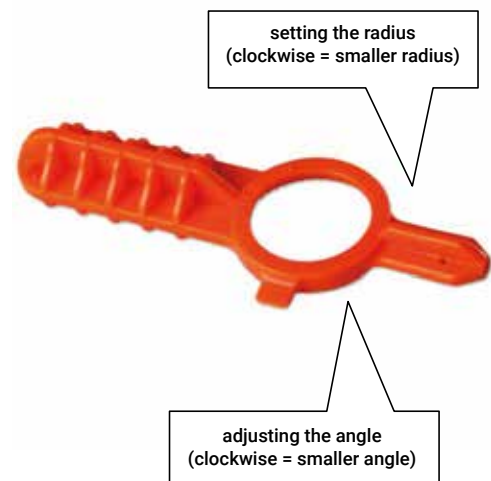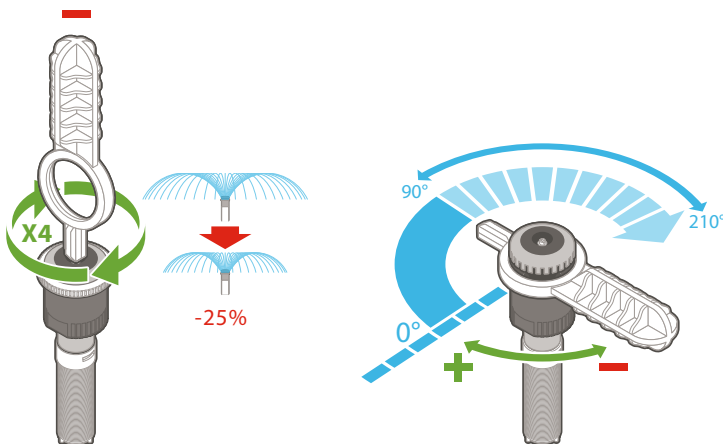
APPLICATION
Park and garden irrigation

CHARACTERISTICS
- 4 types: MP1000, MP2000, MP3000, MP3500
- 3 sector types that have a variable spraying angle per sector: 90 - 210, 210 - 270 and 360 degrees
- The colour coding indicates the spraying angle and type/discharge
- Suitable for locations with more wind
- High uniformity thanks to 'Matched Precipitation'
- Internal ACME thread

TECHNICAL DATA

		MP1000 Rotator	MP2000 Rotator	MP2000 Rotator	MP2000 Rotator
Flow rate	m³/h	0,04 - 0,20	0,07 - 0,38	0,16 - 0,97	0,24 - 0,9
Spraying range/jet	meters	2,5 - 4,5	4,0 - 6,4	6,7 - 9,1	9,4 - 10,7
Variable sector	degrees	90-120 210-270 360	90-120 210-270 360	90-120 210-270 360	90-120 210-270 360
Working pressure	bar	2,0 - 3,8	2,0 - 3,8	2,0 - 3,8	2,0 - 3,8
Max. working pressure	bar	4,0	4,0	4,0	4,0

SETTING POSSIBILITIES AND TOOLS
MP wrench (02204-111242)

X4

-25%

90°

210°

0°

setting the radius
(clockwise = smaller radius)

adjusting the angle
(clockwise = smaller angle)

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OVERVIEW OF MP ROTATOR SPRINKLERS
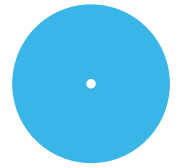
Radius	Circle		
	90 º tot 210º	210º tot 270º	360º
MP1000 — 2,5m ← 4,6m	MP100090	MP1000210	MP1000360
MP2000 — 4m ← 6,4m	MP200090	MP2000210	MP2000360
MP3000 — 6,7m ← 9,1m	MP300090	MP3000210	MP3000360
MP3500 — 9,4m ← 10,7m	MP350090		
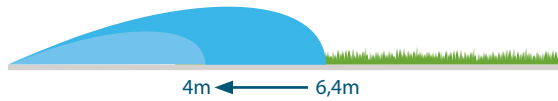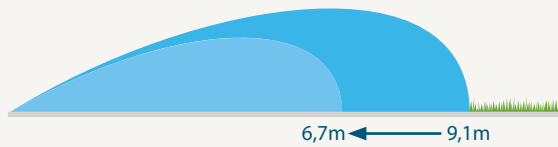
DESIGN SCHEMATICS OF MP ROTATOR SPRINKLERS

MP1000
Radius: 2.5 to 4.5 m
Adjustable bow and full circle
● Purple: 90° to 210°
● Blue: 210° to 270°
● Olive: 360°

MP2000
Radius: 4.0 to 6.4 m
Adjustable bow and full circle
● Black: 90° to 210°
● Green: 210° to 270°
● Red: 360°

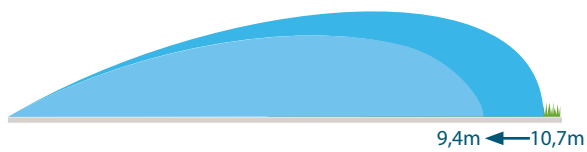**MP3000**
Radius: 6.7 to 9.1 m
Adjustable bow and full circle
● Blue: 90° to 210°
● Yellow: 210° to 270°
● Grey: 360°

MP3500
Radius: 9.4 to 10.7 m
Adjustable bow
● Brown: 90° to 210°

Bow	Pressure bar	kPa	MP1000 Radius m	Flow m³/hr	Flow l/min	Precip ■	Precip ▲	MP2000 Radius m	Flow m³/hr	Flow l/min	Precip ■	Precip ▲	MP3000 Radius m	Flow m³/hr	Flow l/min	Precip ■	Precip ▲	MP3500 Radius m	Flow m³/hr	Flow l/min	Precip ■	Precip ▲
90°	1.7	170	--	--	--	--	--	5.2	0.07	1.18	11	12	7.6	0.16	2.63	11	13	10.1	0.24	3.94	9	11
	2.0	200	3.7	0.04	0.61	11	12	5.5	0.07	1.23	10	11	8.2	0.17	2.77	10	11	10.4	0.26	4.28	10	11
	2.5	250	4.0	0.04	0.68	10	12	5.8	0.09	1.43	10	12	8.5	0.19	3.08	10	12	10.4	0.28	4.58	10	12
	2.8	280	4.1	0.04	0.70	10	11	6.1	0.09	1.52	10	11	9.1	0.20	3.25	9	11	10.7	0.29	4.84	10	12
	3.0	300	4.3	0.04	0.73	10	11	6.4	0.09	1.57	9	10	9.1	0.20	3.38	10	11	10.7	0.31	5.22	11	13
	3.5	350	4.4	0.05	0.78	10	11	6.4	0.10	1.68	10	11	9.1	0.22	3.67	11	12	10.7	0.33	5.41	11	13
	3.8	380	4.5	0.05	0.81	9	11	6.4	0.11	1.77	11	12	9.1	0.23	3.80	11	13	10.7	0.34	5.68	12	14
180°	1.7	170	--	--	--	--	--	4.9	0.13	2.22	11	12	7.6	0.32	5.48	11	13	10.1	0.50	8.36	10	11
	2.0	200	3.7	0.07	1.20	11	12	5.2	0.14	2.35	11	12	8.2	0.35	5.88	10	12	10.4	0.51	8.48	9	11
	2.5	250	4.0	0.08	1.35	10	12	5.5	0.16	2.67	11	12	8.5	0.4	6.55	11	12	10.4	0.60	10.03	11	13
	2.8	280	4.1	0.08	1.40	10	11	5.8	0.17	2.80	10	12	9.1	0.41	6.88	10	11	10.7	0.65	10.83	11	13
	3.0	300	4.3	0.09	1.46	10	11	6.1	0.17	2.90	10	11	9.1	0.43	7.18	10	12	10.7	0.70	11.73	12	14
	3.5	350	4.4	0.09	1.56	10	11	6.4	0.19	3.15	9	10	9.1	0.47	7.77	11	13	10.7	0.73	12.15	13	15
	3.8	380	4.5	0.10	1.62	9	11	6.4	0.19	3.22	9	11	9.1	0.45	8.02	12	13	10.7	0.75	12.41	13	15
210°	1.7	170	--	--	--	--	--	4.9	0.16	2.58	11	12	7.6	0.38	6.40	11	13	10.1	0.59	9.80	10	12
	2.0	200	3.7	0.09	1.41	11	13	5.2	0.17	2.75	11	13	8.2	0.41	6.85	10	12	10.4	0.65	10.75	10	12
	2.5	250	4.0	0.10	1.58	10	12	5.5	0.19	3.08	10	12	8.5	0.46	7.65	11	12	10.4	0.70	11.66	11	13
	2.8	280	4.1	0.10	1.63	10	11	5.8	0.20	3.25	10	12	9.1	0.48	8.02	10	11	10.7	0.75	12.45	11	13
	3.0	300	4.3	0.10	1.71	10	11	6.1	0.21	3.42	10	11	9.1	0.50	8.37	10	12	10.7	0.80	13.40	12	14
	3.5	350	4.4	0.11	1.82	10	11	6.4	0.22	3.70	9	10	9.1	0.54	9.03	11	13	10.7	0.85	14.23	13	15
	3.8	380	4.5	0.11	1.89	9	11	6.4	0.23	3.80	10	11	9.1	0.56	9.37	12	13	10.7	0.90	14.91	13	16
270°	1.7	170	--	--	--	--	--	4.9	0.20	3.32	11	12	7.6	0.50	8.35	12	13					
	2.0	200	3.7	0.11	1.80	11	13	5.2	0.21	3.53	11	13	8.2	0.53	8.83	10	12					
	2.5	250	4.0	0.12	2.05	10	12	5.5	0.24	3.97	10	12	8.5	0.59	9.82	11	12					
	2.8	280	4.1	0.13	2.10	10	11	5.8	0.25	4.15	10	12	9.1	0.62	10.32	10	11					
	3.0	300	4.3	0.13	2.20	10	11	6.1	0.26	4.35	10	11	9.1	0.65	10.77	10	12					
	3.5	350	4.4	0.14	2.35	10	11	6.4	0.28	4.70	9	10	9.1	0.70	11.68	11	13					
	3.8	380	4.5	0.15	2.45	9	11	6.4	0.29	4.88	9	11	9.1	0.73	12.12	12	13					
360°	1.7	170	--	--	--	--	--	4.9	0.27	4.42	11	12	7.6	0.66	10.98	11	13					
	2.0	200	3.7	0.14	2.40	12	14	5.2	0.28	4.72	11	13	8.2	0.70	11.72	10	12					
	2.5	250	4.0	0.16	2.69	10	12	5.5	0.32	5.28	10	12	8.5	0.76	13.10	11	12					
	2.8	280	4.1	0.17	2.81	10	12	5.8	0.33	5.55	10	12	9.1	0.83	13.75	10	11					
	3.0	300	4.3	0.18	2.94	10	11	6.1	0.35	5.80	10	11	9.1	0.87	14.37	10	12					
	3.5	350	4.4	0.19	3.17	10	11	6.4	0.37	6.25	9	10	9.1	0.93	15.52	11	13					
	3.8	380	4.5	0.20	3.25	10	11	6.4	0.38	6.40	9	10	9.1	0.96	16.07	12	13					

MP3500 — 90°
Radius: 9.4 to 10.7 m
Adjustable bow
● Brown: 90° to 210°

MP3500 — 180°
Radius: 9.4 to 10.7 m
Adjustable bow
● Brown: 90° to 210°

MP3500 — 210°
Radius: 9.4 to 10.7 m
Adjustable bow
● Brown: 90° to 210°

Pressure bar	kPa	90° Radius m	Flow m³/hr	Flow l/min	Precip ■	Precip ▲	180° Radius m	Flow m³/hr	Flow l/min	Precip ■	Precip ▲	210° Radius m	Flow m³/hr	Flow l/min	Precip ■	Precip ▲
1.7	170	10.1	0.24	3.94	9	11	10.1	0.50	8.36	10	11	10.1	0.59	9.80	10	12
2.0	200	10.4	0.26	4.28	10	11	10.4	0.51	8.48	9	11	10.4	0.65	10.75	10	12
2.5	250	10.4	0.28	4.58	10	12	10.4	0.60	10.03	11	13	10.4	0.70	11.66	11	13
2.8	280	10.7	0.29	4.84	10	12	10.7	0.65	10.83	11	13	10.7	0.75	12.45	11	13
3.0	300	10.7	0.31	5.22	11	13	10.7	0.70	11.73	12	14	10.7	0.80	13.40	12	14
3.5	350	10.7	0.33	5.41	11	13	10.7	0.73	12.15	13	15	10.7	0.85	14.23	13	15
3.8	380	10.7	0.34	5.68	12	14	10.7	0.75	12.41	13	15	10.7	0.90	14.91	13	16

INSTALLATION & MAINTENANCE

Installation
- ✓ Please contact Netafim for more information regarding design and installation.
- ✓ Flush the installation before operation.
- ✓ Please do not use any detergents when applying sprinklers in combination with PE lines.

Maintenance
- ✓ For cleaning methods, please refer to chapter "Installation and maintenance of sprinkler system", section: Cleaning instructions.
- ✓ Check at regular intervals whether the sprinklers are set to the correct working pressure.

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