

MZ 400 SERIES

MZ402/403 1½"

BSP NPT Male Thread

Under-Tree Sprinkler

Plantations

Optimal water distribution



The MZ402/MZ403 are high performance plastic sprinklers for under tree irrigation, designed for precision irrigation in orchards, plantations, and other agricultural environments. Built with heavy-duty corrosion and radiation-resistant materials, they deliver optimal water distribution, even at low pressures – ensuring efficiency in challenging settings such as banana plantations and vineyards. The sprinklers feature interchangeable nozzles, for flexible irrigation at varying trajectory angles. Available in two models, MZ402 for standard working pressure and MZ403 for low pressure.

HIGHLIGHTS

- Durable design: Made of heavy-duty plastic for long-lasting use, resistant to both corrosion and UV radiation
- Stainless steel pivot pin and springs for enhanced durability
- Color-coded bayonet nozzles for quick and easy maintenance
- Adjustable trajectory: Three trajectory angles (9°, 12°, 14°) - easily modified by swapping nozzles
- Recommended for spacings up to 10m, ensuring uniform water distribution

TECHNICAL DATA

- Pressure range: 1.5-4.0 bar
- Flow rate range: 320-954 lph
- Coverage diameter: 16.5-22.0 m
- MZ402 trajectory angle: 12°
- MZ403 angle: 12°

PERFORMANCE TABLE MZ402

Nozzle Color & Size	Pressure	Coverage Diameter	Flow Rate	MSH* (cm)
mm	bar	m'	lph	
2.5 Purple 	1.5	16.5	320	70-90
	2.0	17.5	366	
	2.5	18.0	410	
	3.0	18.5	450	
	3.5	19.0	485	
	4.0	20.0	516	
2.9 Orange 	1.5	17.0	395	80-100
	2.0	18.5	456	
	2.5	19.0	510	
	3.0	19.5	558	
	3.5	20.0	605	
	4.0	21.0	648	
3.2 Green 	1.5	17.5	500	90-110
	2.0	19.0	579	
	2.5	20.0	647	
	3.0	20.5	693	
	3.5	21.0	766	
	4.0	21.5	798	
3.5 Blue 	1.5	18.0	590	95-115
	2.0	19.5	684	
	2.5	20.5	765	
	3.0	21.0	834	
	3.5	21.5	905	
	4.0	22.0	954	

- Performance based on ideal temperature, wind velocity, and humidity conditions.
 - Tested at a height of 50cm above the ground.
- *MSH-Max. stream height (from nozzle)

TRAJECTORY ANGLE

		
9°	12°	14°
Counters wind drift and evaporation	Ideal for under-tree irrigation	Ideal for under-tree irrigation

PERFORMANCE TABLE MZ403 (FOR LOW PRESSURE)

Nozzle Color & Size	Pressure	Coverage Diameter	Flow Rate	MSH* (cm)
mm	bar	mtr	lph	
2.0 White 	1.0	13.5	167	60-80
	1.5	16.0	205	
	2.0	17.0	237	
	2.5	17.0	265	
	3.0	17.5	290	
2.2 Brown 	1.0	13.5	200	65-85
	1.5	16.5	245	
	2.0	17.0	283	
	2.5	17.5	316	
	3.0	18.0	346	
2.5 Purple 	1.0	14.5	240	70-90
	1.5	16.0	294	
	2.0	18.0	340	
	2.5	18.5	380	
	3.0	19.0	416	

- Performance based on ideal temperature, wind velocity, and humidity conditions.
 - Tested at a height of 50 cm above the ground.
- *MSH-Max. stream height (from nozzle)

MODELS



MZ402



MZ403

Keep in touch!



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