

MZ 300 SERIES

# MZ303

## Micro Sprinkler

Diverse Irrigation

Leakage Prevention Device



Designed for diverse irrigation applications, the MZ303 micro sprinkler features a bayonet coupling. It can be supplied with a leakage prevention device (LPD) for enhanced reliability and water management.

### HIGHLIGHTS

- Versatile:** Unique swivel design ensures excellent water distribution and coverage, ideal for under-canopy irrigation in orchards, horticulture nurseries, greenhouses, and poultry farms
- Ideal for plant propagation, germination, and micro-climate creation
- Robust:** Sturdy structure with user-friendly bayonet connection
- Made of high-quality materials for long-term field operation
- Color-coded nozzles:** Eight colors for easy flow rate identification
- Easy to use:** Can be mounted on a 6.0mm stake or metal rod

### TECHNICAL DATA

- Recommended working pressure: 1.5-3.0 bar
- Wetted diameter: 1.5-12.5 m<sup>2</sup>
- Available tubes: 4/7mm PE/PVC
- Recommended filtration:**  
Nozzle size 0.8mm-1.2mm: 200 microns (80 mesh)  
Nozzle size 1.4mm-2.3mm: 500 microns (30 mesh)

## PERFORMANCE TABLE MZ303 Medium Range Rotor at 20 m'

Color Code	Nozzle Size	Flow Rate	Wetted Diameter	Precipitation Rate (mm/hr) / Spacing (m)		
	mm	lph	m	3x3	3x4	4x4
<b>Black</b>	<b>0.8</b>	34	5.5	3.8	2.8	
<b>Purple</b>	<b>1.0</b>	52	6.0	5.8	4.3	3.3
<b>Orange</b>	<b>1.2</b>	76	7.0	8.4	6.3	4.8
<b>Blue</b>	<b>1.4</b>	102	7.6	11.3	8.5	6.4

\* Tested under laboratory conditions at a height of 25cm above ground

### Codes of Distribution of Uniformity

CDU < 75%	75% ≤ CDU < 80%	80% ≤ CDU < 85%	85% ≤ CDU < 90%	CDU ≥ 90%
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### Available Connections



### MZ303 Assembly



Medium-range rotor

Quick thread  
connection

Female bayonet  
connection

### PERFORMANCE TABLE MZ 303 Long Range Rotor at 20 m'

Color Code	Nozzle Size	Flow Rate	Wetted Diameter	Precipitation Rate (mm/hr) / Spacing (m)								
	mm	lph	m'	3x3	3x4	4x4	3x5	4x5	5x5	4x6	5x6	6x6
<b>Blue</b>	1.4	102	9.5	11.2	8.4	6.3	6.7	5.1	4.0	4.2	3.4	
<b>Yellow</b>	1.6	130	9.8	14.4	10.8	8.1	8.7	6.5	5.2	5.4	4.3	3.6
<b>Green</b>	1.8	162	10.4	18.0	13.5	10.1	10.8	8.1	6.5	6.8	5.4	4.5
<b>White</b>	2.0	198	10.8	22.0	16.5	12.4	13.2	9.9	7.9	8.3	6.6	5.5
<b>Brown</b>	2.3	260	11.4	28.9	21.7	16.3	17.4	13.0	10.4	10.8	8.7	7.2

\* Tested under laboratory conditions at a height of 25cm above ground

### PERFORMANCE TABLE MZ 303 inverted Rotor at 20 m'

Color Code	Nozzle Size	Flow Rate	Wetted Diameter	Precipitation Rate (mm/hr) / Spacing (m)			
	mm	lph	m'	3x3	3x4	4x4	
<b>Purple</b>	1.0	52	9.0	5.7	4.3	3.2	
<b>Orange</b>	1.2	76	9.0	8.4	6.3	4.7	5.1
<b>Blue</b>	1.4	102	10.0	11.4	8.6	6.4	6.8
<b>Yellow</b>	1.6	130	10.5	14.4	10.8	8.1	8.7
<b>Green</b>	1.8	162	11.5	17.9	13.5	10.1	10.8
<b>White</b>	2.0	198	11.5	22.1	16.6	12.4	13.2
<b>Brown</b>	2.3	260	12.5	29.1	21.8	16.3	17.4
							13.1
							14.5

\* Tested under laboratory conditions at a height of 25cm above ground

### Codes of Distribution of Uniformity

CDU < 75%	75% ≤ CDU < 80%	80% ≤ CDU < 85%	85% ≤ CDU < 90%	CDU ≥ 90%
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### MZ 303 Assembly



Quick thread connection



Long range rotor



Inverted rotor

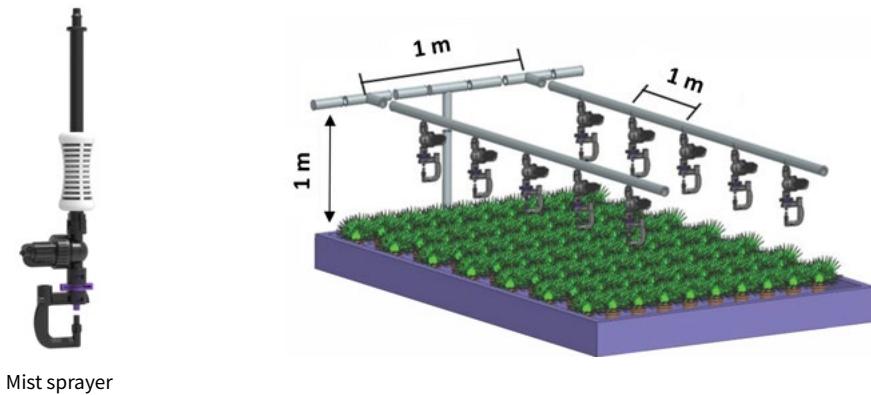
## PERFORMANCE TABLE MZ303 Mist Sprayer at 20 m'

Color Code	Nozzle Size	Flow Rate	Mist Sprayer
	mm	lph	
	m		
<b>Black</b>	0.8	34	2.4
<b>Purple</b>	1.0	52	2.6
<b>Orange</b>	1.2	76	3.2
<b>Blue</b>	1.4	102	3.4
<b>Yellow</b>	1.6	130	4.2
<b>Green</b>	1.8	162	4.6

### Mist sprayer for propagation - Layout

- Minimum installation height : 1.0 m'
- Maximum spacing between units on lateral : 1.0 m'
- Maximum spacing between laterals : 1.0 m'
- Maximum distance of lateral from bench edge : 10 cm. Between laterals: 1.0m'

### Mist Sprayer Assembly



Mist sprayer

### Keep in touch!

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