

## MZ 300 SERIES

# MZ302 PC

## Flow-Regulating Micro Sprinkler

Precision Irrigation

Orchards, Vineyards

Uniform Water Distribution



The MZ302 PC flow-regulating micro sprinkler is a precision irrigation solution designed for efficient water and nutrient distribution in orchards, vineyards, nurseries, and under-tree systems. It excels in challenging conditions including sloping terrains and extended lateral lengths, and is ideal for specialized applications – such as cooling, frost protection, and more.

Engineered to deliver enhanced irrigation accuracy with minimal maintenance, the MZ302 PC ensures reliable performance in multiple agricultural scenarios.

### HIGHLIGHTS

- **Adaptable design:** Accommodates various flow rates and distribution patterns, ensuring uniform irrigation and fertigation at variable pressures.
- **Insect-proof nozzle:** Durable and clog-resistant, for long-term reliability, minimal maintenance, and uninterrupted performance across various water conditions.
- **Color-coded nozzles:** For easy identification of flow rates in different applications
- **Easy to use:** Simple assembly and disassembly.
- Comes with a spike, locking clip, and water-stop aid for operational efficiency
- **Optional trunk deflector:** Prevents trunk wetting to protect trees
- **Two-stage wetted diameter control:** Provides flexible water coverage adjustment for different crop needs
- Supports 4x7mm SPE/PVC tubing for flexible installation options

### TECHNICAL DATA

- Flow rates: 20-145 LPH (5-38 GPH)
- Recommended pressure ranges: 1.5-4.0 kg/cm<sup>2</sup> (21-57 PSI)
- Wetted diameter: 1.6-9.6m (5-32 ft)
- Recommended filtration: 120 mesh

Nozzle Color	Nozzle Size		Flow Rate		Swivels - Wetted Diameter							
					Medium Range-Grey				Large Range-Black			
	mm	inch	LPH	GPH	1 <sup>st</sup> Stage		2 <sup>nd</sup> Stage		1 <sup>st</sup> Stage		2 <sup>nd</sup> Stage	
					mtr.	ft.	m	ft	m	ft	m	ft
<b>Purple</b>	0.8mm	0.031"	20	5.3		3.9	3.5	11.5	1.6	5.2	4.5	14.8
<b>Brown</b>	0.9mm	0.035"	28	7.4	1.2	3.9	4.0	13.1	1.6	5.2	5.0	16.4
<b>Green</b>	1.1mm	0.043"	39	10.3	1.4	4.6	4.0	13.1	2.0	6.6	6.0	19.7
<b>Blue</b>	1.3mm	0.051"	50	13.2	1.6	5.2	4.5	14.8	2.0	6.6	6.5	21.3
<b>Yellow</b>	1.4mm	0.055"	62	16.4	1.6	5.2	4.6	15.1	2.0	6.6	7.0	23.0
<b>Orange</b>	1.5mm	0.059"	72	19.0	1.8	5.9	5.0	16.4	2.0	6.6	7.2	23.6
<b>White</b>	1.8mm	0.071"	95	25.1	2.0		5.5	18.0	2.2	7.2	7.5	24.6
<b>Red</b>	2.0mm	0.078"	145	38.3	...	...	...	...	2.2	7.2	9.6	31.5

- Tested at a height of 25cm (10 inch) above ground
- 1st stage : Swivel with limiter
- 2nd stage : Swivel without limiter

### MZ302 PC Range

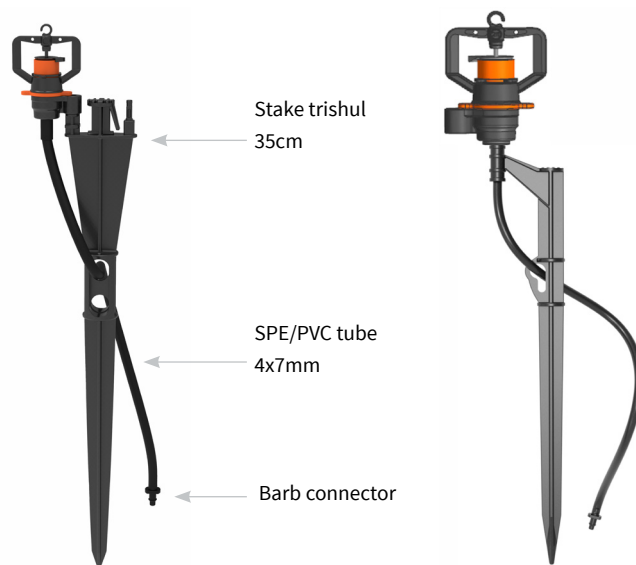


Medium range  
(grey swivel)

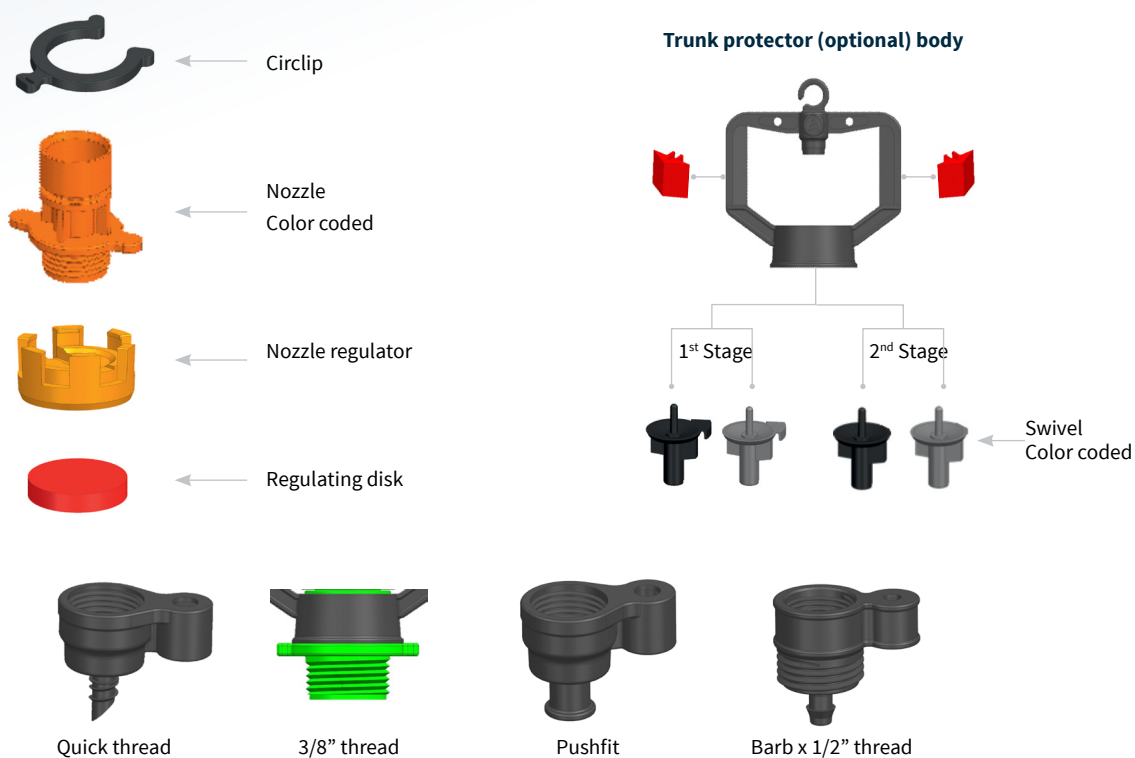


Large range  
(black swivel)

### MZ302 PC Assembly

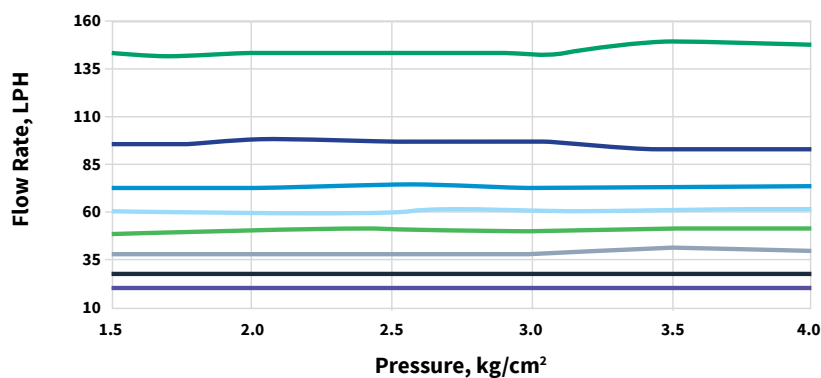


## MZ302 PC



## DISTRIBUTION CURVE

Flow Rate vs Pressure



### Keep in touch!

 [info@metzerplas.com](mailto:info@metzerplas.com)

 [metzer-group.com](http://metzer-group.com)

