

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.
- **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
- Nominal flowrates at 2.0 bar
- Recommended pressure ranges: 1.5-4.0 bar
- Wetted diameter: 1.6-9.6 m'
- Recommended filtration: 120 mesh
- Unique anti-insect pop-up swivel design to protect against insects and prevent blockage of the nozzle

PERFORMANCE TABLE MZ302 PC

Nozzle Color	Nozzle Size	Flow Rate	Swivels - Wetted Diameter			
			Medium Range-Black		Large Range-Grey	
	mm	lph	1 st Stage m'	2 nd Stage m'	1 st Stage m'	2 nd Stage m'
Purple	0.8mm	20		3.5	1.6	4.5
Brown	0.9mm	28	1.2	4.0	1.6	5.0
Green	1.1mm	39	1.4	4.0	2.0	6.0
Blue	1.3mm	50	1.6	4.5	2.0	6.5
Yellow	1.4mm	62	1.6	4.6	2.0	7.0
Orange	1.5mm	72	1.8	5.0	2.0	7.2
White	1.8mm	95	2.0	5.5	2.2	7.5
Red	2.0mm	145	2.2	9.6

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

MZ302 PC Range

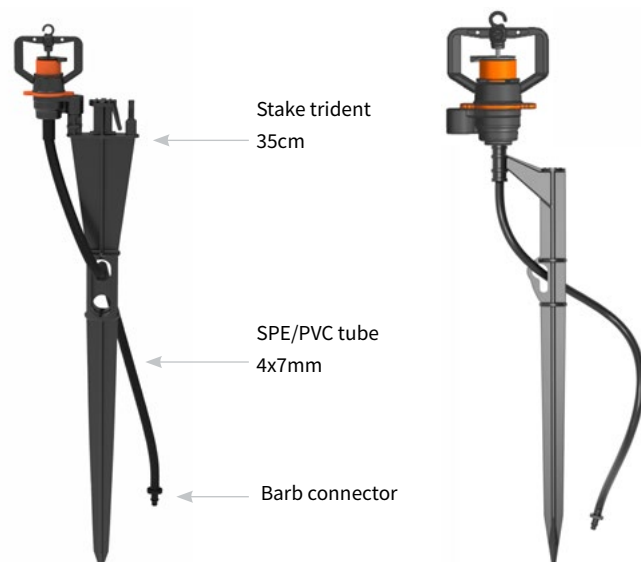


Medium range
(Black swivel)

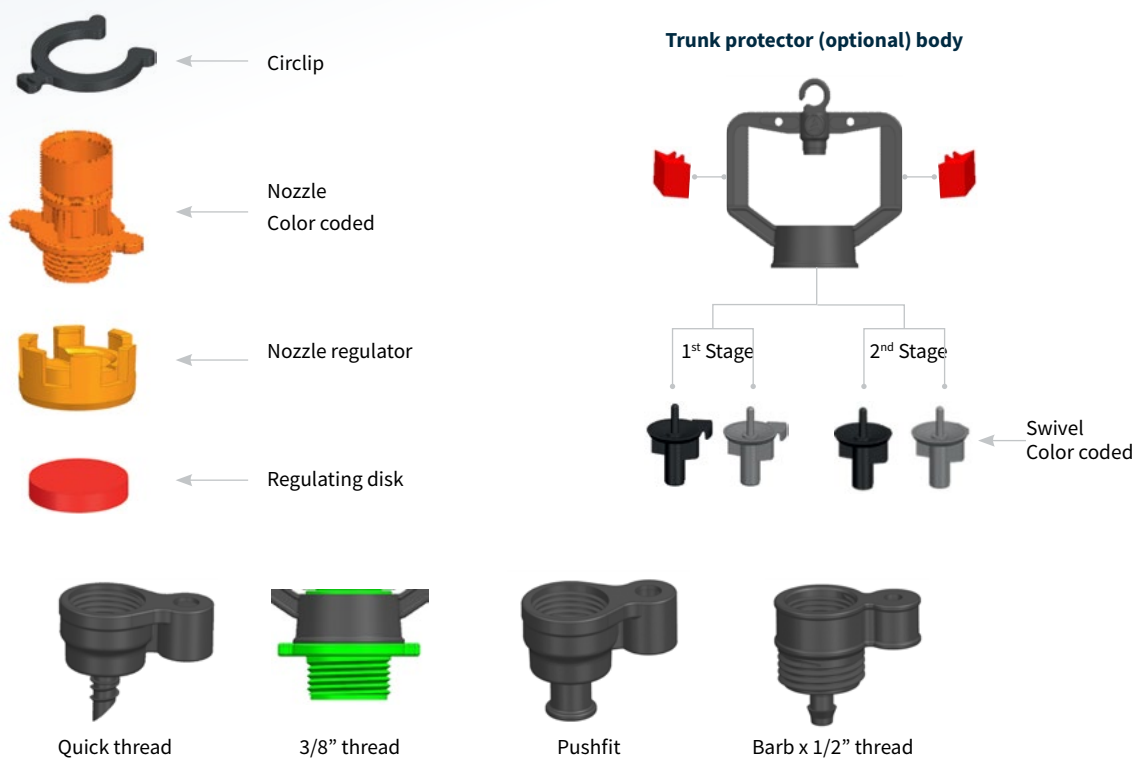


Large range
(Grey swivel)

MZ302 PC Assembly

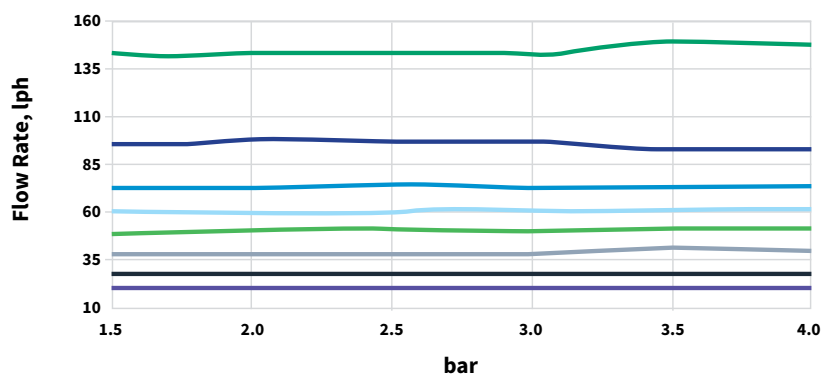


MZ302 PC



DISTRIBUTION CURVE

Flow Rate vs Pressure



Keep in touch!



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