

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

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

### MZ302 PC Range

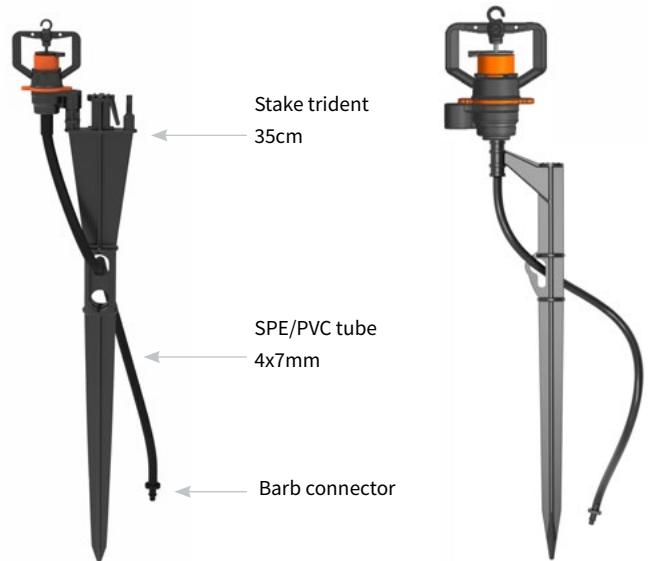


Medium range  
(Black swivel)

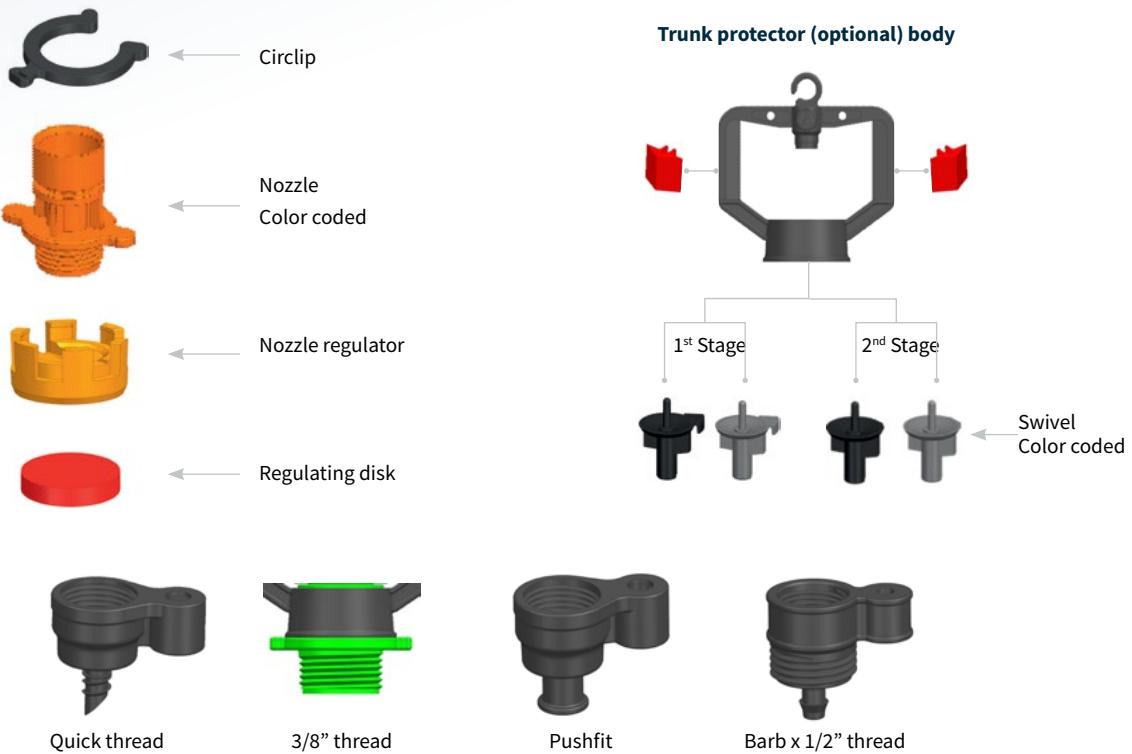


Large range  
(Grey swivel)

### MZ302 PC Assembly

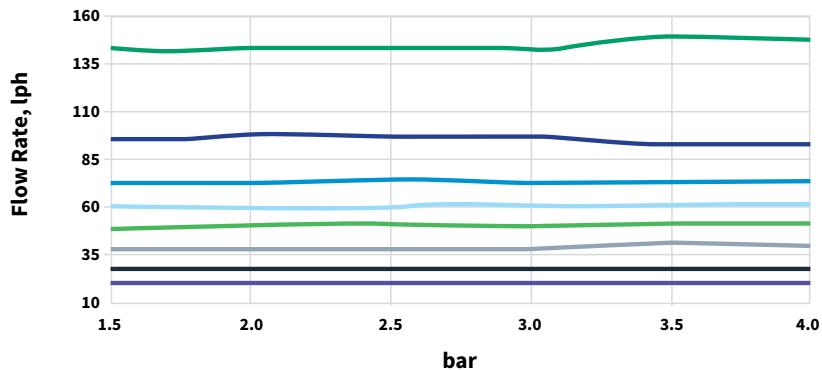


## MZ302 PC



## DISTRIBUTION CURVE

Flow Rate vs Pressure



Keep in touch!

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

