

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 m²
- 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 | 2 nd Stage | 1 st Stage | 2 nd Stage |
| | | | m' | m' | m' | m' |
| Purple | 0.8mm | 20 | | 3.5 | 1.6 | 4.5 |
| Brown | 0.9mm | 28 | 1.2 | 4.0 | 1.6 | 5.0 |
| Violet | 1.0mm | 35 | 1.3 | 4.0 | 1.8 | 5.5 |
| 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

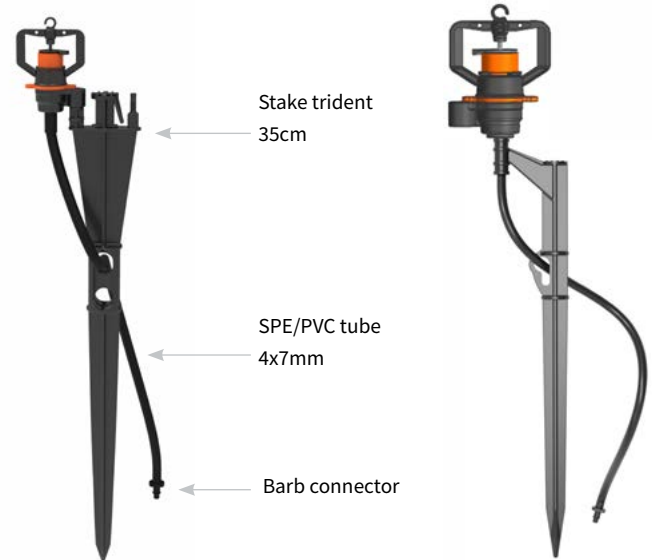


Medium range
(Black swivel)

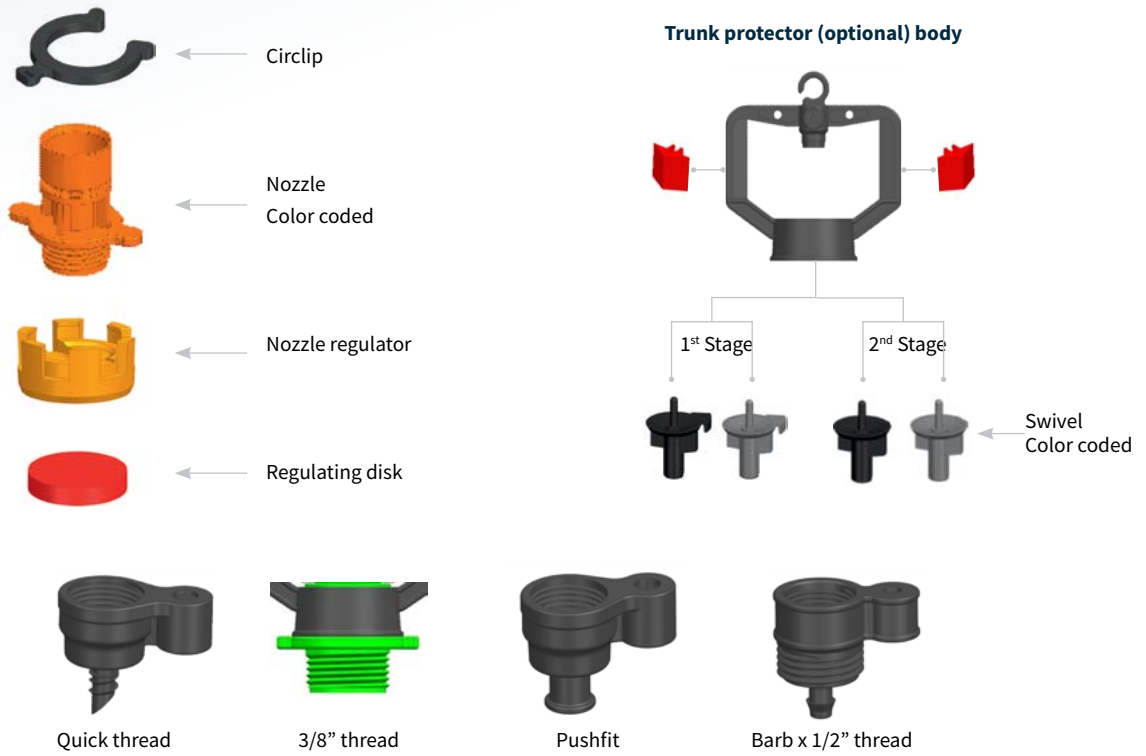


Large range
(Grey swivel)

MZ302 PC Assembly

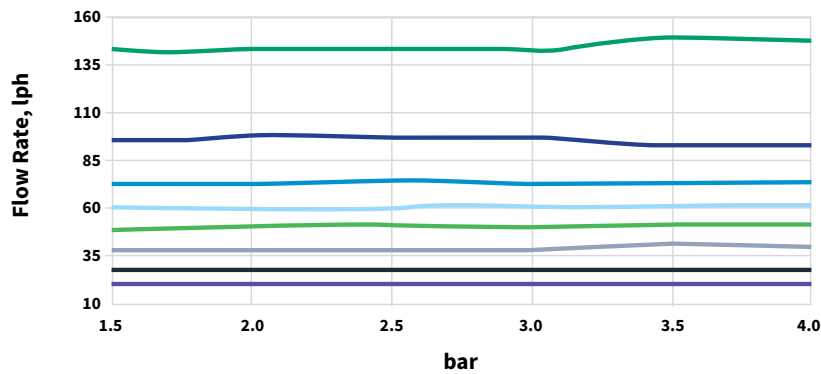


MZ302 PC



DISTRIBUTION CURVE

Flow Rate vs Pressure



Keep in touch!

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