

Pulsators (old model)

Discontinued



The pulsator is a low-volume sprinkler for air humidification and crop cooling. The flow rate of the pulsator is determined by a pressure-compensated Kameleon dripper with 4.0 l/h.

A silicone membrane transforms the constant water flow into a powerful pulsating stream. A distinction must be made between two types of pulsator:

Mist pulsator (with deflector): The water evaporates in the air, thus having a direct effect on the relative humidity.

Rotor pulsator (with rotor): The water dampens the crop, thus creating a cooling of the crop and improvement in the micro climate.

APPLICATION

Air humidification and crop cooling in greenhouse or tunnel horticulture

CHARACTERISTICS

- ✓ Simple installation
- ✓ Low water consumption, 2 - 4 m³/h/ha
- ✓ Pressure-compensated
- ✓ Comprises a 4.0 l/h Kameleon dripper with labyrinth: low susceptibility to clogging
- ✓ Suitable for interval irrigation



TECHNICAL DATA

Flow rate	: 4 l/h (pressure-compensated)
Working pressure	: 2 bar
Working pressure	: 1,5 - 3.0 bar (recommended 2 bar)
Mounting height	: mist pulsator: min. 1 - 1.5 meters above the crop : rotor pulsator: min. 0.5 - 1 meter above the crop
Filtration	: 130 micron : 80 micron (with automatic filters)
Material	: polypropylene (housing) : silicone (membrane)
Length of line	: 10, 15, 20 cm
Connection	: 3 mm single branches (2.5 mm punch hole)

INSTALLATION & MAINTENANCE

Installation

- ✓ For safety reasons, ensure a free space of 40 cm above the sprinkler. Do not install the assimilation lamps directly above or next to the pulsator.
- ✓ Mist pulsators are installed 1 per +/- 10 m².
- ✓ Rotor pulsators are installed 1 per +/- 20 m².
- ✓ PE lines (16 mm is often sufficient) are fastened to a trellis or a wire along the path. Allow the PE line to settle for 24 hours after installation before fixing.
- ✓ Flush the installation thoroughly before use and ensure there is no air in the system.
- ✓ When using the pulsator in PE lines (also as suspended), no wetting agents or soap can be used.

Maintenance

- ✓ For cleaning of the pulsators, please refer to information sheet "Installation and maintenance of sprinkler system", section: Cleaning instructions.
- ✓ Check at regular intervals whether the pulsators are set to the correct working pressure.