



# HIGH-PRESSURE MISTING SYSTEM

## The high-pressure misting system from Horticoop Technical Services

A good climate is one of the key determining factors for ensuring a vigorous, productive crop. And to maintain a good climate, it's essential to keep relative humidity (RH) at the right level. The high-pressure misting system from Horticoop Technical Services effectively helps to control and maintain RH at the desired level.

### Operation

One or more high-pressure pumps pump water to the selected section, where the water is spray-misted into the air by an advanced nozzle system. The use of electronic piston valves makes it possible to treat only those sections that require more moisture. The desired humidity level is indicated by the RH sensor in the control box. The high-pressure misting system can also be controlled using a climate computer. There are various options for installing nozzles across the space, so there is sure to be a suitable solution for every situation.

### Cooling effect and retention of CO<sub>2</sub>

The primary objective of the high-pressure misting system is to keep the RH in the greenhouse at the desired level. But spray misting also has a cooling effect (adiabatic cooling), which means that window vents do not have to be opened as wide and more CO<sub>2</sub> can be retained.

### Capacities

All high-pressure misting systems can be built to order. By using various high-pressure pumps, we can construct a system with the exact capacity you need. If desired, a frequency regulator can be connected to the pump to ensure the optimal and effective operation of the system.



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