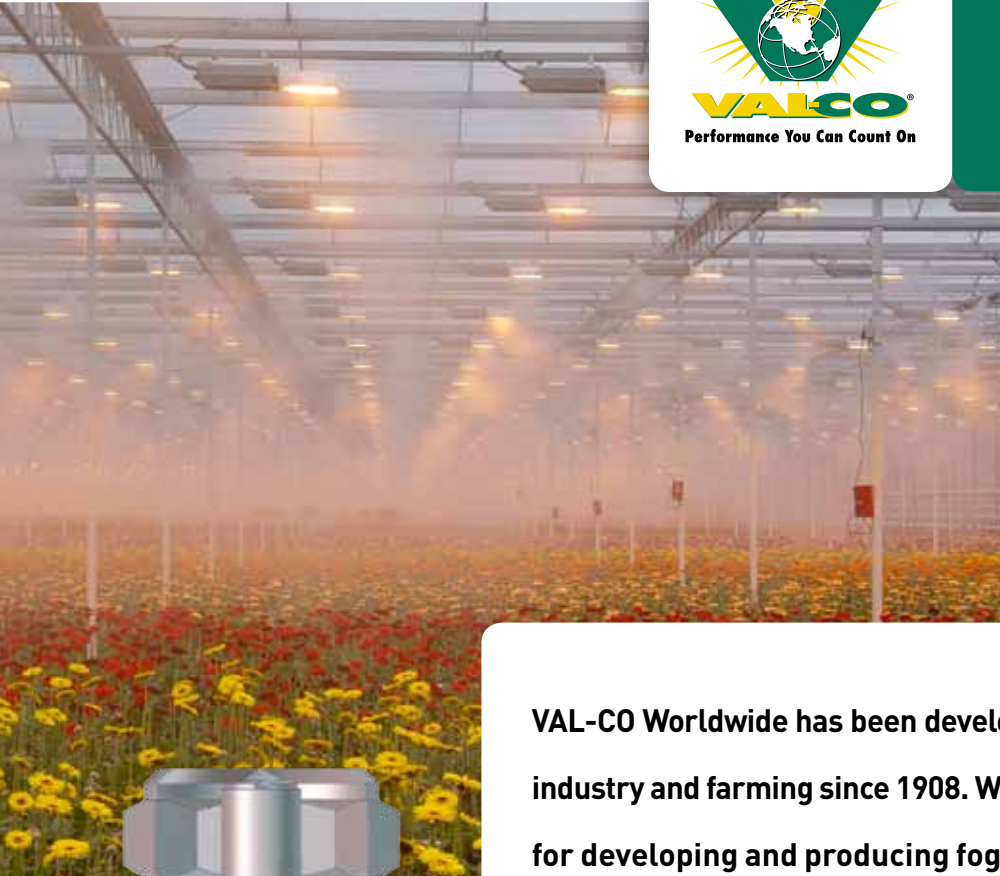


Optimum humidity in your greenhouse with PoAIR high pressure fogging



CLIMATE CONTROL WITH THE POLAIR NOZZLE



Profile nozzle PoAIR

VAL-CO Worldwide has been developing and producing components for industry and farming since 1908. We use our knowledge and experience for developing and producing fog systems and nozzles. VAL-CO B.V. is active in the horticulture business since 1997. Since this time, we successfully sold countless PoAIR high pressure fogging systems.

Our PoAIR high pressure fogging system has an operating pressure of 70 to 105 Bar. The PoAIR system generates micron sized droplets evenly throughout your greenhouse. As a result, the atmospheric humidity can be easily and efficiently brought to and maintained at the right level. Also the CO₂ loss is limited. If desired, the system can also be used to control temperature.

The greenhouse climate will be optimized to ensure the right situation. Crop stress will be reduced significant. As a result of this production and quality will improve. The complete PoAIR high pressure

fogging system includes a pump with a control unit. The system is provided with various safety measures like high pressure protection, thermic protection and a flush system to prevent legionella.

The control unit controls the entire pump unit and is easy to use. Our control unit is developed in such a way that it can easily be connected to your current mainframe or climate control system.

Quality is the first matter of importance for the PoAIR high pressure fogging system. After thorough research, the system is developed and is constructed



of high quality materials. The compression fittings ensure that the system is leak-proof.

The stainless steel nozzle lines will be placed throughout the complete greenhouse. Thanks to the designed spacing of the nozzles, there is an even distribution of the fog in the entire greenhouse. The nozzles are connected to the main lines by threaded hole. A stainless steel sealing ring provides a watertight seal between the nozzle and main lines.

The nozzle is manufactured by VAL-CO, is completely made out of stainless steel (304) and contains a valve to prevent dripping. The nozzle can easily be dismantled for cleaning. The pin and the nozzle head will not be affected by weather

conditions and the fog pattern will therefore remain the same during its entire life span.

PolAIR high pressure fogging produces a very fine fog which evaporates quickly and is generated evenly throughout the greenhouse. As a result of this the PolAIR system can operate independently from ventilators.

The advantages of PolAIR high pressure fogging:

- Optimum humidity in your greenhouse;
- Limited loss of CO₂;
- Significant reduction of crop stress;
- Improvement production and quality;
- Reduction of temperature;
- Easy to use and maintain.



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