



# PolAIR® – The Solution To Fine Tuning Your Environment.

The theory is simple, produce a tiny drop of water and introduce enough of them into the air they will evaporate altering the ambient conditions. Mother Nature automatically does this every second of every day but in demanding environments outside of Mother Nature's control, assistance is required to fine-tune the climate.

## PolAIR Atomization Nozzle

Unique to the industry and the heart of the system performance is the PolAIR high-pressure fog nozzle. Based on the designed operating pressures, the PolAIR fog nozzle atomizes water into micron-sized particles that enter into the environment to reduce temperature, increase relative humidity, suppress airborne contaminants and can be used to disperse certain chemical treatments.



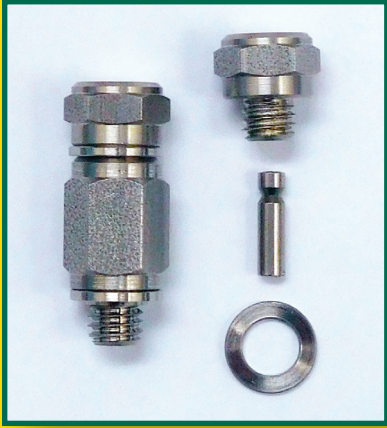
The PolAIR HP Fog System is ideal for layer and floor birds!



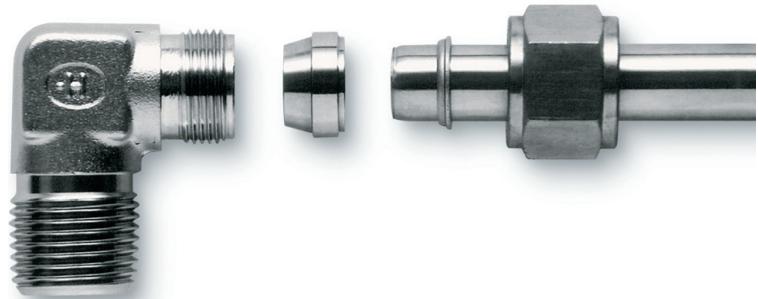
## PolAIR 400HC

The PolAIR 400HC is designed to control and regulate the PolAIR High Pressure Fog System by temperature and humidity. The 400HC can be configured for single or two stage / zone operation. Specifically designed for the PolAIR System, the 400HC includes the motor starter, motor thermal overloads, inputs for 2 temperature and 2 humidity sensors, single or two stage / zone cooling and humidification capabilities.

**VAL-CO's PolAIR System is designed as a complete integrated system, that installs quickly - with little or no structural modifications!**



The micron-sized droplets of water (produced by our fog nozzle) flash evaporate, cooling the air, without contacting the ground.



All mainline and atomization line used the PolAIR System is made from 316 grade stainless steel. Connection of the lines is done with instrument grade compression fittings. Depending upon water quality and chemicals used in the system, compression fittings are available in either brass or stainless steel.

### Pump System Specifications

- Positive displacement pumps, with flows from 1/2 gpm to 20 gpm (1.8 lpm to 75 lpm)
- Pumps are easy to maintain and service
- Operating pressures from 1000 psi to 1500 psi
- Direct or belt driven motors, single and three phase
- Totally enclosed fan cooled motors



Call your local **VAL-CO** representative or distributor for more information on this and other fine quality products.



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