



FOG FOCUS

This integrated system combines specialized pumps and a choice of nozzles that deliver “focused” humidification to the most demanding of locations.



Office and Warehouse



Electronic Manufacturing + Assembly

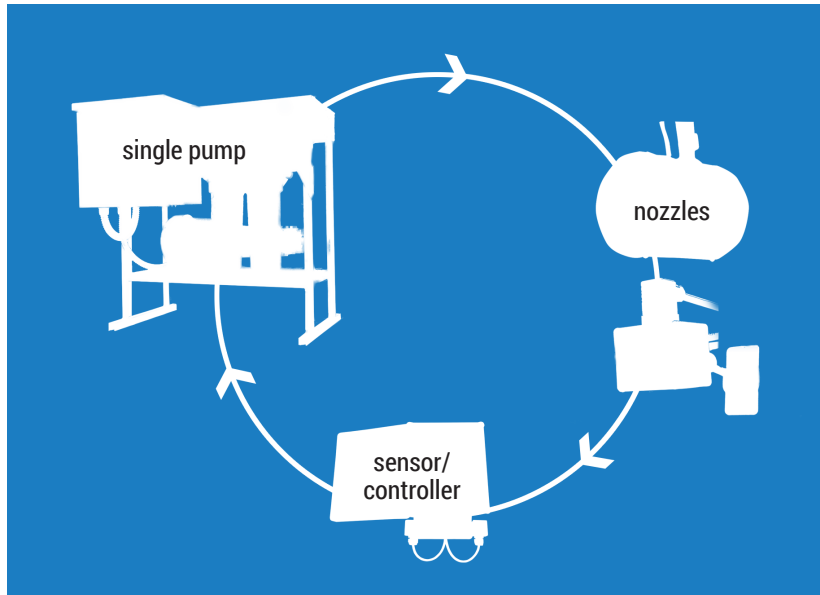


Computer Rooms and Laboratories

- Extremely Accurate
- Ultra Fine Dripleless Fog
- Quiet Start/Stop Fogging
- Complete Control
- Economical to Operate

MicroCool has mastered focused humidification

3 TIERED INTEGRATION



Integrated FOCUS pumps, nozzles and sensors work together to **deliver extremely accurate humidification on demand.**

Typical applications include:

- Computer data centers
- Spot cooling of castings
- Laboratories and research facilities
- Office and warehouse humidification
- Fine woodworking and lumber storage
- Electronics manufacturing and assembly
- Hatchery incubators and disinfection stations

No more. No less. Humidification exactly where and when necessary.



Humidification on demand

FOCUS systems operate differently from conventional fogging systems. Each nozzle has a solenoid built into the housing that virtually eliminates the risk of dripping. Integrated FOCUS nozzles are connected to a high-pressure manifold line running from, and back to, the pump unit. The specialty FOCUS pumps maintain a fixed pressure in the manifold line so that when the nozzle solenoids open, that pressure is immediately present and instant fogging is available.

Safe, clean fog

To maintain hygienic quality of the water, the system water supply is circulated back through a carbon filter and UV light for sterilization which insures superior water quality and bacteria-free fog. FOCUS systems only operate with reverse osmosis water, ensuring that all the minerals, bacteria and viruses are removed. Protective safety features like automatic drains and service reminders for oil change and UV bulb replacement are built in. And, an optional single-zone controller for humidity and temperature can be added, making it a complete standalone unit.

2 nozzle systems designed to handle any focused humidification application

FOCUS POD • FOCUS CUBE

FOCUS POD Nozzle System

The POD nozzle is a fan assisted system that offers complete control and accuracy. It delivers a consistent, full fog, stream. The enclosed fan ensures that all fog is completely evaporated within a short distance of leaving the nozzle which prevents dripping and maximizes fog delivery efficiency.

The face mounted pulse timer allows easy adjustment of the on/off cycle for accurate supply of humidity. The nozzle array pattern can be a single nozzle, two nozzles or three nozzles per POD unit.



Data sheets for each nozzle system are available upon request.

FOCUS CUBE Nozzle System

The CUBE nozzle is among the latest developments from the engineers at MicroCool. The CUBE offers the same dripless, accurate humidification in systems where fan assist and a dedicated individual timer are not required. It's a compact, lightweight unit that can be mounted practically anywhere via its universal mounting attachment.

Three different nozzle orifices are available delivering from 4.0 to 10 lbs/hr (1.8 to 4.5 kg/hr) of high pressure fog. And, with the option to select one, two or three nozzles per unit, the CUBE provides unrivaled flexibility.



- **Pulse Capability** — start/stop fogging increases fog efficiency
- **Accurate Humidity** — directs humidity exactly where required
- **Ultra Fine Fog Output** — efficient and comfortable fogging
- **Quiet Operation** — ideal for office, laboratory, and computer data center environments
- **Dripless** — no unsightly water spots
- **Fan Assisted Flow** — ensures quick evaporation of fog droplets
- **Cycle Timer** — allows for complete control of humidity
- **From 1 to 3 Nozzles per Pod** — affords installation flexibility
- **Adjustable “on/off”** — convenient and immediate control
- **Universal Mount** — easy installation

- **Accurate Fine Fog Delivery** — for the ultimate in focusing fog where needed
- **Dripless + Quiet** — ideal for a wide variety of locations
- **Pulse Capability** — start/stop fog
- **Compact + Lightweight** — can be installed almost anywhere
- **Multiple Nozzle Option** — affords configuration flexibility
- **Standard DIN Connection** — easy to install

FOG FOCUS PUMP SYSTEMS



Ranging in size from ½ to 3 US gpm (2 to 11 lpm), the FOCUS pump supports up to 120 nozzles.

It delivers from 250 to 1,500 lbs per hour (114 to 682 kg per hour) of directed humidification.

- .5 to 3 US gpm
2 to 11 lpm
- 250 to 1,500 lbs/hr
114 to 683 kg/hr
- Low Energy Consumption
- VFD Technology
- Quiet Operation

The FOCUS pump offers quiet and efficient fog delivery

The FOCUS high pressure pump is equipped with a Variable Frequency Drive (VFD) making it not only extremely quiet for its capacity, but also extremely efficient and almost miserly in its use of electrical energy. The pump keeps the entire line pressurized at 1,200 psi (83 bars), even in standby mode, allowing FOCUS nozzles to provide instant stop/start fogging. This pulsing ability provides quiet and accurate fog delivery. Available in 4 models.

Data sheets for FOCUS and Hummingbird pump models are available upon request.

The FOCUS Hummingbird pump is a compact powerhouse



Designed for smaller applications requiring less capacity, the FOCUS Hummingbird pump is wall mounted, extremely quiet and supports up to 12 nozzles. It has the same features as the larger FOCUS pumps but is more compact. The optional 1-zone temperature / humidity integrated control feature provides unparalleled command of the environment.

170 lbs/hr (75 kg /hr) capacity
0.025 - 0.30 US gpm (0.09 - 1.14 lpm) flow

Contact MicroCool for FOCUSED humidification solutions using the latest in fog and mist technologies



World leaders in fog and mist technology for cooling, humidification, air quality control

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