MICROCOOL

A MeeFog Company

FOG FOCUS SYSTEM



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

- **Targeted Performance** – Delivers consistently accurate fog distribution.
- **Ultra-Fine Fog** – Produces 6–10 micron droplets for maximum effectiveness.
- **Smooth Operation** – Quiet, clean start/stop fogging.
- **Advanced Compatibility** – Seamlessly integrates with automated control systems.
- **Cost-Efficient** – Engineered for low energy use and economical operation.

Custom Designed Humidification Network

Typical Applications

- Avionics & Aerospace
- Electronics Manufacturing and Assembly
- Office and Warehouse Humidification
- Woodworking and Cabinet Making
- Hatchery Incubators and Hatchers
- Digital & Off-Set Printing
- Data Centers & Telecommunication Hubs
- Bitcoin & Crypto Mining Farm
- Laboratories and Research Facilities
- Indoor Grows & Vertical Farming
- Controlled Environment Agriculture (CEA)
- Cup Forming & Paper Products

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Humidification on Demand

The FOG FOCUS system maintains constant water pressure to deliver instant, controlled fog whenever your space needs it. Each humidifier has a built-in solenoid, a small valve that operates with low-voltage control, providing on-demand fogging that is both accurate and reliable.

Integrated FOCUS humidifiers are connected to a high-pressure manifold line running from the pump and back, ensuring water flow throughout the system. Because the pressure is always maintained, the system is ready to produce fog instantly, giving you complete control over your environment. This flexibility and adjustability is the unique advantage of the FOG FOCUS, something our competitors can't match.



Safe, Clean Fog

FOG FOCUS systems only operate with reverse osmosis water, ensuring that all the minerals, bacteria and viruses are removed. To maintain hygienic quality of the water, the system water supply is circulated through a 5-micron sediment and carbon filter. UV light is used for sterilization which ensures superior water quality and bacteria-free fog. 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.

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FOG FOCUS PUMP

- UL Listed 508A control panel
- UV light sterilization
- 5-micron carbon and sediment filter
- Inlet/outlet pressure guages
- 24 hour automatic drain operation
- HMI screen with PLC Fault detection
- 24 hour operation with programmable time clock
- Closed loop hydraulic line holds pressure at 1200PSI

FOCUS INTERFACE PANEL (FIP)

- UL Listed 508A
- Individual room control
- Adjustable cycle timer
- 1 pump for multiple zones
- Distributes 24VAC power to humidifiers
- Integrate with any climate control system
- Merge humidity zones into network by closing 0V dry contact wire





FOCUS X BREEZE HUMIDIFIER

- Anti-drip nozzles
- Voltage indicator light
- Fan assisted evaporation
- Adjustable cycle timer in each humidifier
- Pulsing fog action precisely increases humidity
- Adjustable directional mounting bracket
- Accommodates low headroom and limited airflow

FOCUS X CELL HUMIDIFIER

- Anti-drip nozzles
- Voltage indicator light
- Multiple nozzle options
- Start/stop instant fogging
- Adjustable directional mounting bracket
- Pulsing fog action precisely increases humidity
- Accommodates low headroom and tight spaces



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- **Precision Fog Delivery** – Direct humidity exactly where it's needed for consistent, reliable results.
- **Drip-Free & Whisper-Quiet** – Maintain clean, disturbance-free environments.
- **Pulse-Activated Fogging** – Instant on/off control maximizes efficiency and reduces waste.
- **Compact & Lightweight Design** – Fits easily in tight or challenging spaces.
- **Custom Layout Design** – Configure your system to match your space and application needs.
- **Flexible Nozzle Options** – Choose 1–4 nozzles per cell for optimal coverage.
- **Simple, Turnkey Installation** – All estimated materials provided for a hassle-free setup.
- **Ultra-Fine Fog Output** – Achieve comfortable, even humidity without oversaturation.
- **Fan-Assisted Evaporation** – Speeds up fog dispersion for rapid, uniform coverage.
- **Spray Cycle Control** – Adjustable timers let you fine-tune humidity with precision.
- **Universal Mounting Options** – Quick, convenient setup for any application.



INTEGRATES WITH ANY BMS OR CLIMATE CONTROL SYSTEM

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