MICROCOOL

A MeeFog Company

Industrial Humidity Control



MicroCool systems combine specialized pumps and multiple nozzle options that deliver 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, Free Consultation for Industry

Typical Applications

- Industrial Manufacturing
- Electronics Manufacturing and Assembly
- Automotive & Aerospace Manufacturing
- General Warehousing & Logistics
- Woodworking and Cabinet Making
- Hatchery Incubators and Hatchers
- Digital & Off-Set Printing
- Food Processing
- Cold Storage & Refrigerated Warehouses
- Controlled Environment Agriculture
- Packaging Plants & Production
- Cup Forming & Paper Products
- Textiles & Apparel Manufacturing
- Pharmaceutical & Biotech Manufacturing

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ibex
by MicroCool

At 1,000 PSI, the Ibex Pump is the power behind the MicroCool Stainless Steel, Flex Lines and Whisper Fan. Pump sizes range from 1GPM to 18GPM with safety and energy efficiency at the forefront. Equipped with an energy efficient VFD to automatically adjust pump speed and water pressure for number of active nozzles.



ROC Nozzle Assembly Lines

Nozzles can be mounted on stainless steel or flexible line to insure accurate fog distribution regardless of challenging installation parameters. Custom in-house drilling per layout specification with 360° collar rotation.



Whisper Fan

Equipped with a powerful 520 CFM fan, it effortlessly disperses fog across a broad 10 ft radius through 8 nozzles. The Whisper Fan achieves an impressive output of 80 lbs of fog per hour, ensuring optimal coverage and evaporation efficiency.



Intelli-Zone Controller

Programmable Zone Controller designed to manage multiple humidity zones from one pump module. Built to UL508A standard, the controller can be used on its own or easily integrates with any climate controller or BMS (Building Management System).

Optional Vector Controller and sensor available

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MicroCool focus

The integrated FOCUS nozzle and pump system offers pinpoint distribution of ultra-fine, dripless, fog humidification. A closed loop system that holds a pressure of 1,200 psi for instant stop/start fogging to maintain humidity levels quietly and efficiently. Engineered to be extremely economical to operate.

FOCUS X BREEZE





FOCUS X CELL

FOCUS X Breeze & FOCUS X Cell

The FOCUS X CELL provides targeted humidification in a compact design, while the fan-assisted FOCUS X BREEZE is ideal for low-headroom applications, increasing air movement to support faster evaporation and broader fog dispersion.



Reverse Osmosis System

Reduces dissolved solids and impurities in incoming water, helping provide cleaner water for more consistent, reliable system operation.

- Up to 98.5% salt rejection
- Production capacity from 1–16 GPM
- Maximum feed water TDS: 2,000 ppm
- Integrated TDS monitoring
- Additional RO sizes available as required



FOCUS Interface Panel (FIP)

Provides a direct connection between your existing control system and MicroCool humidifiers. It delivers local power and adjustable cycle timing for consistent fog distribution throughout each room or zone.

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When humidity starts affecting performance, environmental imbalance begins to influence materials, machinery, and output. MicroCool restores control.

Prevents Moisture Loss & Dehydration
Maintains stable humidity levels that reduce moisture loss, weight loss, and dimensional changes. In food processing, as well as, packaged goods and materials, products retain structure, flexibility, and shelf life.



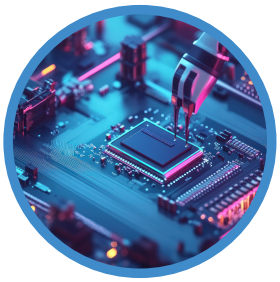
Maintains Material Stability
MicroCool helps keep moisture levels within controlled ranges so materials respond predictably. This limits expansion, contraction, warping, cracking, and mechanical stress in printing, paper, wood, textiles, and packaging.

Supports Regulatory & Quality Compliance
MicroCool provides consistent, controllable humidity that supports environmental documentation and audit readiness. Facilities maintain confidence in meeting internal quality standards and external regulatory requirements.



Improves Process Stability & Uptime
Stable humidity delivered by MicroCool reduces the need for constant system corrections. Equipment operates efficiently, operator intervention decreases, and production disruptions are minimized.

Controls Static Electricity & ESD
Maintaining proper humidity levels with MicroCool dissipates static charge before it accumulates. This protects sensitive components, improves material handling, reduces dust attraction, and supports safer operating conditions.



Supports Equipment Longevity
Through rapid evaporation and precise humidity control, MicroCool reduces environmental stress on electrical components, conveyors, and storage systems. Equipment life is extended and maintenance demands are reduced.

Ask us about our zoning capabilities

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