



Manufacturing/Factory Floor



Digital Printing



Computer Rooms and Laboratories

Engineered fogging + misting solutions for precision **humidity control**

- Reduce Static Electricity
- Maintain Product Quality
- Reduce Contaminants
- Keep it Clean
- Reduce Dust

MicroCool has mastered humidification

DIRECTED HUMIDIFICATION



FOG FOCUS directs humidification where and when you need it

The integrated FOCUS nozzle and pump system offers pinpoint distribution of ultra-fine, dripless, fog humidification. Its instant stop/start fogging and pulsing maintains humidity levels quietly and efficiently. And, it's engineered to be extremely economical to operate.



With a choice of 5 pump modules and 4 nozzle configurations, the FOCUS system is flexible and fits a wide range of applications.



- Focused Humidification
- Stop/Start Fogging
- Low Energy Consumption
- 5 Pumps/4 Nozzle Options
- Dripless and Quiet



INDUSTRIAL STRENGTH HUMIDIFICATION

IBEX pumps paired with ROC (rotating collar) nozzles are engineered for demanding humidification applications. Both are packed with MicroCool's innovative, advanced technology.



11 IBEX models range from 2 to 11 US gpm and can be configured for single and multiple zones.

Versatile nozzle assemblies can be mounted on stainless steel or flexible line to insure uniform fog distribution regardless of challenging installation parameters.



- **Variable speed drive** — Automatically adjusts pump speed to water flow and number of nozzles
- **Compact, quiet** — Less intrusive, can be mounted closer to production areas
- **Saves energy, money** — Electricity usage reduced by more than 60%
- **Extends pump life** — Less wear and tear on the pump
- **Inlet pressure switch** — Prevents the system from running dry and damaging the pump
- **Pressure transducer** — Maintains optimal system pressure for MicroCool nozzles
- **External connections** — Ties into external sensors, BMS systems (analog) and climate control systems
- **Drain valve** — Using a PLC controller, the valve opens just enough to release the pressure, saving valuable water usage
- **Built to UL508A standard** — Safety and reliability
- **Powder coated aluminum frame** — Strong, long lasting durability
- **1-year warranty** — Backed by responsive MicroCool support



HUMIDITY CONTROL FOR INDUSTRIAL APPLICATIONS

Every application has its specialized issues, and MicroCool has the humidification solution for each one of them.



Manufacturing

INDUSTRIAL + MANUFACTURING

Every manufacturing process benefits from having the ideal production environment where maintaining stable humidity increases production.



Printing + Textiles

PRINTING + TEXTILES

Low humidity levels can increase the connectivity of static electricity, causing paper jams, breaks, and even fires in the process.



Cold Stores

COLD STORES

Large quantities of perishable goods can deteriorate rapidly in low humidity and chillers “strip” the air of any water, reducing humidity.



Woodworking +
Barrel Storage

WOODWORKING + BARREL STORAGE

Most problems in woodworking production are moisture related. And, vapor leakage from wine barrels can result in severe product loss.



Theater +
Performing Arts

THEATER + PERFORMING ARTS

In live performance, humidity in the “comfort zone” can be crucial to prevent dryness of the mouth and other vocal annoyances.



Hatcheries

HATCHERIES

At the “egg” stage, insufficient humidity levels can affect shell strength and density, and resultant birth rates and maturity.

Fogging solutions also available for process cooling, greenhouse humidification, and air quality control



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