

# Herrtronic® - MD

## Electrode Steam Humidifier



### TECHNICAL ENGINEERING SPECIFICATION



*The Herrtronic® MD series with its microprocessor controller is available in three cabinet sizes with capacities ranging from 5 to 250 lbs/hr.*

#### Applications:

- Hospitals
- Computer Rooms
- Laboratories
- Cleanrooms
- Telecommunications
- Switch Gear Facilities
- Schools & Universities
- Medical Clinics

#### Introduction:

The Herrtronic® MD Series is an economical steam humidification solution to meet your exacting requirements. Selection includes three sizes with capacities ranging from 5 to 250 lbs/hr and up to 600 VAC. All units are ETL listed.

The Herrtronic® series electrode steam humidifiers produce pure mineral free steam by passing electric current through water inside a disposable steam cylinder. The sterile steam is then injected into the HVAC ductwork via stainless steel dispersion tubes or a custom designed Hurricane™ CS steam grid. Direct space dispersion is available by combining the Herrtronic® MD unit with a fan powered room dispersion unit, which can be mounted directly to the humidifier or mounted remotely.

Principle features include “user-friendly” microprocessor based controls, a digital display that provides up-to-date operating information, closed-system networking potential to accommodate up to 29 member units, and the diagnostic capability to prevent operational problems before they occur. This diagnostic capability simplifies service and maintenance, saving both time and expense. The Herrtronic® MD design accommodates a variety of control systems to meet the needs of each application.

#### Features & Benefits:

- Three Chassis Sizes: 5 to 250 lbs/hr
- Versatile Microprocessor-Based Control
- Enhanced System Control Accuracy
- Robust Cabinet Design
- 2x20 Alphanumeric LCD Display
- User Friendly Programming
- System Diagnostics
- Operates with Raw Water
- Disposable Steam Cylinder
- Fault Annunciation
- ETL Listed to UL-998

#### Features & Benefits:

- 2-Year Limited Warranty



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#### General Unit Specifications:

Model	MDM	MDS	MDD
<b>Maximum Steam Capacity</b>	30 lbs/hr	100 lbs/hr	250 lbs/hr
<b>Voltage / Phase</b>	208-600 VAC / 1 or 3-Phase		
<b>Maximum Power Consumption</b>	10 kW	33.3 kW	83.3 kW
<b>Control System</b>	ON/OFF, Proportional Only (from BMS), OR Stand-Alone P+I		
<b>Input Devices</b>	Demand Input / Air Proving Switch OR Control Humidity / High Limit Humidity / Air Proving Switch		
<b>Sensors / Demand Signal</b>	0-10 VDC/4-20mA Sensors OR Demand Signal from BMS OR Humidistat		
<b>Display Type</b>	2x20 Lines Alphanumeric LCD		
<b>Tank Construction</b>	Disposable Polypropylene Cylinder		
<b>Cabinet Construction</b>	18 Ga. Painted Steel with Lockable Access Doors		
<b>Overall Unit Dimensions</b>	19" W x 24.5" H x 14" D	26" W x 28" H x 19.3" D	43" W x 28" H x 19.3" D
<b>Shipping Weight</b>	71 lbs	94 lbs	190 lbs
<b>Operating Weight</b>	95 lbs	142 lbs	286 lbs



Front View, Face Removed



Side Controls View, Face Removed

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