Herrmersion™ - RE
Electric to Steam Humidifier

HERRMIDIFIER®
By TRION

The Herrmersion™ - RE can integrate into building management systems using one of today's popular protocols, such as BACnet, Modbus, N2, or Lonworks.

Introduction:

The Herrmersion™ - RE is a self-generating steam humidifier utilizing Incoloy sheathed heating elements. Steam is generated inside a stainless steel vaporization chamber and delivered directly to the space being humidified using a fan-powered room dispersion unit or into the HVAC duct system via steam dispersion tubes. The Herrmersion™ system delivers a compact and clean solution for many of today's critical humidification applications. The system features an adjustable draining and skimming cycle in order to reduce mineral build-up and minimize service intervals. Water quality is not an issue with the Herrmersion™ - RE because the unit is capable of operating with virtually all types of water: tap (raw) water, softened water, or deionized / reverse osmosis water.

The unit can operate on voltages ranging from 208 VAC to 600 VAC single or three phase. Maximum output capacities are available from 30 to 90 lbs/hr of steam.

All units come complete with a native BACnet control system and can connect to a Building Management System using many of today's most popular protocols, such as BACnet, Modbus, N2, and LonWorks. In the absence of a Building Management System, the Herrmersion™ controls come equipped with a backlit LCD display and can operate completely stand-alone. The keypad display comes loaded with a simple, intuitive menu interface for navigating system status and adjusting system parameters. As well as giving the operator a simple interface, the control system fully annunciates and logs system faults which can be accessed via the keypad display.

Applications:

- Hospitals
- Hospital Pharmacies & Operating Rooms
- Pharmaceutical Manufacturing
- Medical Clinics
- Laboratories
- Cleanrooms
- Computer Rooms
- Telecommunications
- Switch Gear Facilities
- Schools & Universities
- Nano Technology
- Solar Panel Manufacturing

Features & Benefits:

- Native BACnet Microprocessor Controls
- Simple, Touchscreen Display
- Incoloy Sheathed Heating Elements
- Compatible with Raw, Softened, DI or RO Water
- Stainless Steam Vaporization Chamber
- Adjustable Drain/Skimmer Cycles
- Works with Herricane™ or EST Dispersion Tubes
- ETL Listed

Warranty:

- 2-Year Limited Warranty

PRODUCT DATA SHEET

General Unit Specifications:

Model	RESx-xxx-x-30*	RESx-xxx-x-45*	RESx-xxx-x-90*
Maximum Steam Capacity	30 lbs/hr	45 lbs/hr	90 lbs/hr
Voltage / Phase	240/480/600 / 1-Phase	208-600 / 3-Phase	480-600 / 3-Phase
Power Consumption	10 kW	15 kW	30 kW
Control System	Proportional Only (from BMS) OR Stand-Alone P+I		
Input Devices	Demand Input / Air Proving Switch OR Control Humidity / High Limit Humidity / Air Proving Switch		
Sensors / Demand Signal	0-5 VDC Sensors OR Demand Signal from BMS		
Display Type	Touchscreen Display, Backlit LCD (Remote Mountable)		
Tank Constuction	Stainless Steel		
Cabinet Construction	18 Ga. Painted Steel		
Overall Unit Dimensions	28" W x 25.2" H x 21.3" D		
Shipping Weight	125 lbs		
Operating Weight	250 lbs		

* The letter "x" in the model number may vary depending on control type, operating voltage, and phase respectively.

Front View, Face Removed

Side Controls View, Face Removed

Indoor Air Quality Since 1947

ISO 9001:2015 Certified

Industry Membership:

![ASHRAE]

Proudly Designed, Engineered, and Manufactured in the USA.*

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Manufactured with domestic and foreign components.

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