

Imperial [IP] Dimensions
Metric (SI) in Parentheses

CARNES COMPANY 448 S. Main St., P. O. Box 930040, Verona, WI 53593-0040 Phone: (608)845-6411 Fax: (608)845-6504 www.carnes.com

Product Description:

Humidifier(s):

An electrode style steam humidifier converts ordinary tap or potable water that produces sterile steam and distributes it within the air being humidified to bring the relative humidity (RH) up to a desired level. The demand for humidity is sensed by a control humidistat. The microprocessor in the humidifiers circuit board converts this demand into an amperage value requirement. Voltage is then applied to the electrodes in a steam generating cylinder. To generate the steam, a signal is sent to the fill solenoid and water will begin to flow into the cylinder. An electrical current is then passed through the potable water by way of the minerals in the water, heat will then be generated to bring the water to a boil and produce steam.

Minerals removed during the steam generation process accumulate in a disposable cylinder. Replacing the cylinder is quick, easy, and does not require any scraping or descaling chemicals. Replacing the cylinder returns the humidifier to a like new condition. Steam produced by the HS_J or HT_J can be introduced into a duct or air handler using a distribution pipe (HXPBB, HXPBC) or short absorption manifold (HXMA). For direct space applications steam can be distributed by using a mounted or remote blower pack (HXBJ).

Features:

- Digital output on a LCD True Touchscreen Display providing status and intuitive help menu buttons for operational details with text and diagrams to help the user through the install process and basic troubleshooting.
- Circuit board utilizes microprocessor to maximize energy and water consumption.
- Optional CarnesLink BMS Communication protocols BACnet® (MS/TP), Modbus® (RTU), Metasys® (N2), and Siemens® (FLN). CarnesLink has the ability to remotely monitor up to 29 humidifier functions, easily adjust Carnes humidifiers(s) settings remotely, factory installed communication ship with settings for easy configuration.
- Disposable cylinders eliminate periodic maintenance for reduced maintenance costs.
- Newly re-engineered humidifier cabinet comes standard with 304 B 20 gauge stainless steel.
- Modulating steam output of 20%-100% demand from any control signal.
- Plumbing features include: internal drain water tempering to 140 degrees F (60 degrees C), and 1 inch air gap for overflow prevention that meets plumbing codes.