



compactSteam

Electrode Steam Humidifier

The new range of humidifiers with capacities from 5.5 lbs/hr 110V/1 to 12 lbs/hr 230V/1, designed for light commercial environments up to 12 lbs/hr.

FEATURES:

- Disposable Steam Cylinder
- Anti-Foaming Algorithm
- Communication and Alarm Output Connections
- Built-in Drain Tempering
- Comprehensive LCD Display
- Fan Relay for AHU/Duct Installations
- Optional Integrated Fan for Direct Room Discharge

APPLICATIONS:

- Copier Rooms
- Doctor's Offices
- Wine Cellars
- Walk-in Humidors
- Small Print Shops
- Light Commercial Applications up to 12 lbs/hr



Clima

The new elegant and versatile clima thermostat-humidistat is the perfect companion with the compactSteam. The new clima, when used with compactSteam:

- controls the humidity with 0 to 10V proportional control: the maximum in comfort;
- can automatically compensate the humidity set point: no more fogged up windows;
- signals the alarms on the humidifier if the humidifier is installed in a service compartment;
- is fitted with a daily timer;
- is powered directly by compactSteam: easy to install, no batteries required.

In addition, clima can also control heating, air-conditioning and dehumidification functions: up to 11 different operating modes, for all control requirements.

Technical specifications

models	CH*02V1000	CH*05V2000
Steam production lbs/hr (kg/hr)	5.5 (2.5)	12 (5.4)
Power supply	110V, 60 Hz single-phase ⁽¹⁾	230V, 60 Hz single-phase ⁽¹⁾
Power consumption (kW)	1.86	4.05
Current (A)	16.88	17.61
Type of control	ON/OFF and 0 to 10V proportional	
Control range	20 to 100%	
Accessory connections	ext. fan - alarm relay - ext. enabling - 24V	
Steam connection inches (mm) ⁽²⁾	7/8" (22)	
Fan flow-rate cfm (m ³ /h) ⁽²⁾	71 (120)	
Max steam pressure inches WC (Pa)	4" (1000)	
Water supply connection	3/4"	
Supply water conductivity	125 to 1250 µS/cm	
Supply water flow-rate gpm (l/min)	0.45 (1.7)	
Drain water connection inches (mm)	1 1/4" (32 (external))	
Drain water temperature	<140°F (< 60°C)	
Drain flow gpm (l/min)	1.32 (5)	
Operating conditions	34 to 104°F (1 to 40°C), 10 to 90% rH non-condensing	
Storage conditions	14 to 158°F (-10 to 70°C), 5 to 95% rH non-condensing	
Index of protection	IP20	
Dimensions (WxHxD) inches (mm)	13.4 x 23.6 x 8.03 (341 x 600 x 204)	

⁽¹⁾: CH0* models: for ducted humidification;
CHF* models: with fan, for humidification in the room.

CAREL

CAREL USA

385 South Oak Street, Manheim, PA 17547 - Tel. (717) 664-0500 - Fax (717) 664-0449
www.carelusa.com - e-mail: sales@carelusa.com