



## **compactSteam**

## Humidification for “classy” environments

The new range of humidifiers with a capacity from 1.5 to 5.5 kg/h, designed for classier residential and commercial environments of up to 300 m<sup>2</sup>.

Professional studios and doctors surgeries, banks and insurance offices, art and antiques shops, boutiques: all environments where personal health and comfort is important, and where goods are stored that may be damaged by dry air.

The design is completely new, and fully exploits CAREL's experience in the field of humidifiers. The main concepts are:

- elegant and discrete design: compactSteam is also designed for visible installation;
- new control with large graphic LCD: for clear and intuitive information;
- version with inbuilt ventilated steam distributor: for direct humidification in rooms;
- version for ducted air humidification;
- easy and completely automatic: install and forget.

All together with technical performance that fears no comparison:

- 0 to 10 V proportional control (with CAREL clima humidistat);
- maximum capacity adjustable in steps of 5%;
- automatic water concentration management;
- patented antifoam system;
- “drain tempering” function - the temperature of the drain water never exceeds 60 °C;
- safe control signals for duct installations;
- complete and intuitive diagnostics.



## Clima

The new elegant and versatile clima thermostat-humidistat is the perfect companion to **compactSteam**.

The new clima, when used with **compactSteam**:

- controls the humidity with 0 to 10 V 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*01V2000	CH*032000	CH*052000
Steam production (kg/h)	1.6	3.2	5.4
Power supply	230 V, 50/60 Hz single-phase <sup>(1)</sup>		
Power consumption (kW)	1.18	2.36	4.05
Current (A)	5.14	10.27	17.61
Type of control	ON/OFF and 0 to 10 V proportional		
Control range	20 to 100%		
Accessory connections	ext. fan - alarm relay - ext. enabling - 24 V		
Steam connection (mm) <sup>(*)</sup>	22		
Fan flow-rate (m <sup>3</sup> /h) <sup>(*)</sup>	120		
Max steam pressure (Pa)	1000		
Water supply connection	3/4"		
Supply water conductivity	125 to 1250 µS/cm		
Supply water flow-rate (l/min)	1.7		
Drain water connection (mm)	32 (external)		
Drain water temperature	< 60 °C		
Drain flow (l/min)	5		
Operating conditions	1T40°C, 10 to 90% rH non-condensing		
Storage conditions	-10T70°C, 5 to 95% rH non-condensing		
Index of protection	IP20		
Dimensions (WxHxD) (mm)	341 x 600 x 204		

<sup>(\*)</sup>: CH0\* models: for ducted humidification;

CHF\* models: with fan, for humidification in the room.

<sup>(1)</sup>: 110 V, 60 Hz models are also available, with flow-rates of 1.6 and 2.5 kg/h.

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