



humiSteam "Wellness" steam humidifier for steam baths

humiSteam Wellness is part of the family of immersed electrode steam humidifiers, and is designed specifically for installation in steam baths.

The unit comes with the "W" version controller, featuring a large graphic display for centralised management of various functions:

- daily and weekly time bands;
- different temperature set points based on the time band;
- up to 3 actuators for distribution of essences, and 1 for the "disinfection" cycle;
- up to 2 fans and inside light;
- the display-keypad can be detached from the humidifier and used as a remote control, to assist integration into OEM products.

The controller is based on pCO technology, one of the mainstays of the CAREL product line, offering the following benefits:

- easy operation thanks to the graphic display, with messages in various languages;
- connectivity via the main protocols (Modbus®, BACnet™ and LON with external gateway);
- hour counter and alarm log management;
- easy software customisation for OEM applications;
- diagnostics with text messages and alarm log.

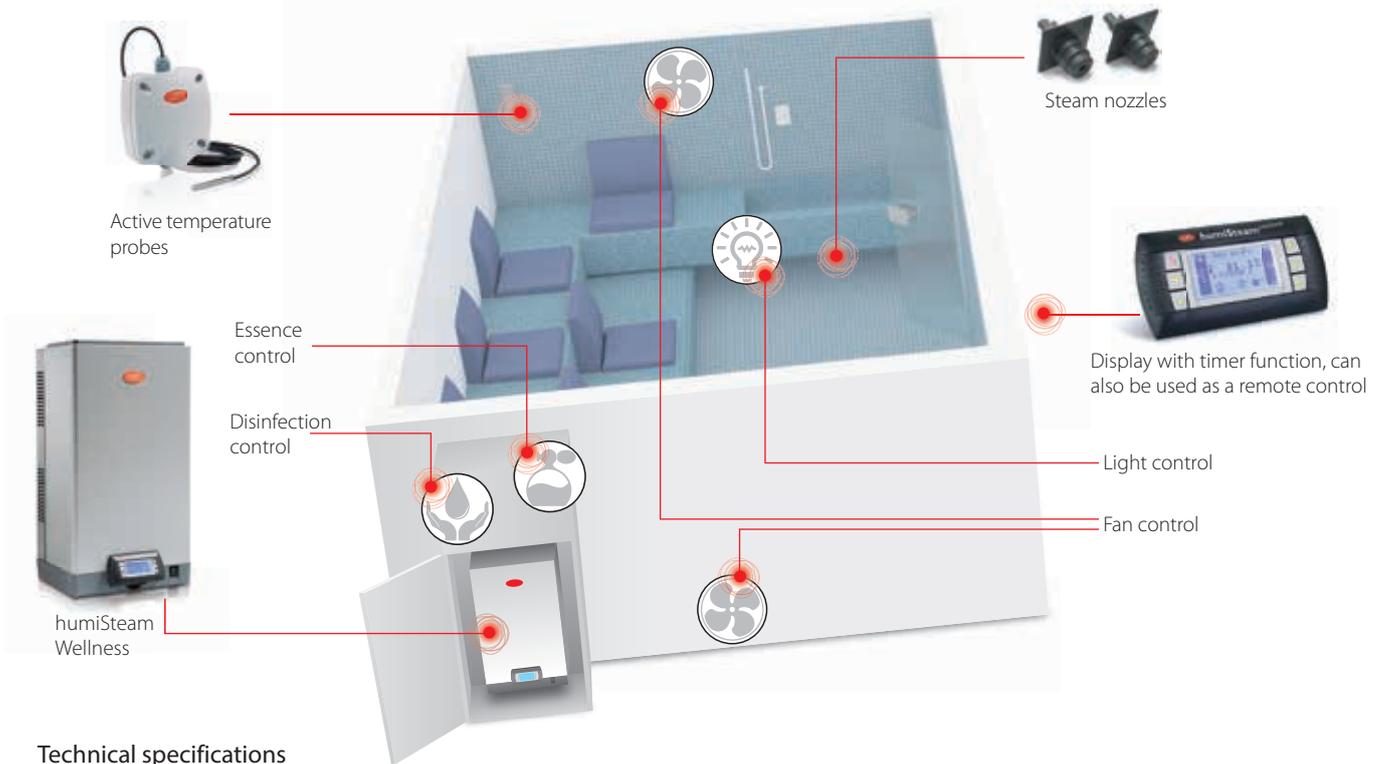
humiSteam uses mains water and manages water concentration and any entrainment of foam completely automatically, so as to maximise efficiency.

The CAREL range also includes:

- temperature probes (UEKNTC*; ASET*);
- steam hoses and nozzles.

- Time band operation at different temperature set points;
- Uses mains water;
- Management of external devices: 4 pumps (for essences and disinfection), 2 fans, 1 light;
- Twelve sizes available, from 1 to 65 kg/h;
- Drain pump to assist removal of scale when draining the water.

Application example



Technical specifications

Graphic display with remote control option	✓	Remote ON/OFF	✓
Management of time bands and temperature settings	✓	Cylinders for water with low conductivity	optional
Essence and activation cycle management (max. 3)	✓	Cleanable cylinders	optional
Disinfection cycle	✓	Water drain pump	✓
Control of two fans (supply, exhaust)	✓	Built-in anti-foam system (AFS)	✓
Inside light On/Off	✓	Automatic and timed maintenance signal	✓
Modifiable software for custom settings	✓	0 to 10 V signal proportional to steam production for controlling an external unit	✓
Integrated temperature control	✓	Alarm relay	✓
Proportional temperature probe (supplied separately)	✓	Remote diagnostics	optional: with serial card for external modem
2nd proportional temperature probe (supplied separately)	✓	Connectivity	standard: RS485 Carel protocol, Modbus®. Optional: BACnet™, LON®, Ethernet™
Probe signals supported	0-1 V, 0-10 V, 2-10 V 0-20 mA, 4-20 mA		



Reliability

Cylinders with quick power connectors for easy, fast and risk-free maintenance



Easy operation

Backlit LCD for clear understanding of unit operating status and diagnostics



Hygiene

The water is drained automatically when the unit is inactive for a certain period of time, avoiding stagnation

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