

# heaterSteam: electric heater steam humidifier

The ideal humidifier for technological or medical applications that require precision, reliability and a perfectly sterile environment. These units can operate on both drinking water and demineralized water. Using demineralized water guarantees practically maintenance-free operation.



- reliability and total protection against overheating;
- precision  $\pm 1\%$  RH and complete modulation;
- maximum hygiene;
- models up to 176 lb/hr (80 kg/hr)



heaterSteam uses flat heaters with a large heat exchange area in a stainless steel cylinder. Each heater contains a **temperature sensor** (PTC), a CAREL exclusive, that **protects it against overheating** and damage in any situation. In the full optional version, the heaters are coated with a non-stick layer to simplify descaling.

The sophisticated controller can accept a variety of external control signals, and manage both a main control probe and a limit probe, so as to modulate steam production and avoid condensation in the duct. **Guaranteed precision of  $\pm 1\%$  RH and range of modulation from 0 to 100%.**

Modulation is managed by solid state relay without mechanical contacts. Automatic washing and refill cycles, and a choice of materials guarantee total hygiene.

For all steam humidifiers, a wide range of accessories is available: humidity probes for ducts and rooms, steam distributor for ducts (from 11 to 81 inches / 30 to 205 cm), steam nozzles and hoses, and condensate drain hoses.



steam distributor



heater



## Precision

Controls relative humidity with a precision of 1%, modulating production between 0 and 100%.



## Reliability

The embedded temperature sensors protect the heaters against overheating



## Easy maintenance

The large heaters with Niflon coating are easy to clean from lime scale.