



# EUROTEC

## HVAC Business Unit

### Newsletter

Issue 24

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## Humidity matters!

CAREL solutions for all humidification needs

**Inside this issue:**  
 CAREL Solutions for Humidity Control  
 CAREL Humidifier Virtual  
 Training Sessions



### SPOTLIGHT ON: CAREL Humidification

The Eurotec HVAC Business Unit offer a wide range of CAREL Humidifier Solutions to suit a variety of applications.

CAREL offer a unique, complete, affordable and advanced range of products which has positioned them in the top humidifier manufacturers in the world.

Our systems for humidity control include; adiabatic humidifiers (air/water, pressurised water, centrifugal) and isothermal humidifiers (electrical, immersed electrodes and gas) which enable the right solution to be found for every kind of application.



**heaterSteam**  
 electric heater  
 steam humidifier

humiDisk is a small, sturdy and easy to install humidifier; ideal for cold rooms and small spaces, paper and printing industries, textile industries.

- Easy to install
- Minimum maintenance
- Automatic empty cycles
- Adjustable capacity



**humiSonic**  
 Ultrasonic  
 humidifiers

The new humiSonic range comprises two versions, meeting the needs of all applications: humiSonic compact, small enough to be installed on a fan coil, and humiSonic direct, for room distribution. The ultrasound technology applied to CAREL air humidification solutions is efficient, reliable and versatile:

- Efficient, as ultrasonic humidifiers guarantee energy savings of 90% when compared to ordinary steam generators
- Reliable, as humiSonic is guaranteed for 10,000 operating hours when running on demineralised water
- Versatile, thanks to the size of the droplets produced (average diameter of 5 µm). This fundamental characteristic guarantees very fast absorption of the atomised water in the room or duct, avoiding possible condensation.



**humiSteam**  
 immersed electrode  
 steam humidifier

humiSteam is the result of CAREL's forty-year experience in the field of steam humidifiers, and the most appropriate choice for a wide variety of air humidification applications including commercial spaces, offices, industrial facilities and steam baths.

- Three types of control
- Models from 1.5 to 130 kg/h
- Control probe and modulating limit probe
- Disposable or open-able cylinders
- Auto-tuning based on type of water.

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 demineralised water. Using demineralised water guarantees practically maintenance-free operation.

- Reliability and total protection against overheating
- Precision  $\pm 1\%$  RH and complete modulation
- Maximum hygiene
- Models from 2 to 80 kg/h.



**humiDisk**  
 centrifugal  
 humidifier

The practical and flexible solution:



**humiFog**  
atomizing adiabatic humidifier

humiFog uses the pressurized energy given by a pump and the nozzles mounted on the edge of a frame (rack) to atomize demineralised water into micrometric drops in the air treatment duct or in the environment to humidify. Thanks to the technology used, humiFog proves to be a highly efficient and accurate product.

**USB Contents: CAREL high efficiency solutions for humidification**

Product	Description	Water	Capacity
<b>Isothermal Humidifiers</b>			
humiSteam	Immersed Electrode Humidifiers	Mains Water	1 – 130 kg/h
heaterSteam	Electric Heater Humidifier	Mains Water	2 – 80 kg/h
gaSteam	Gas Fired Isothermal Humidifier	Demineralised	45 – 450 kg/h
ultimateSAM	High efficiency Centralised Steam Distributors		
<b>Adiabatic Humidifiers</b>			
humiSonic	Ultrasonic Humidifiers	Demineralised	0.5 – 18 kg/h
optiMist	High Pressure adiabatic humidifier 10bar	Mains Water Softened Demineralised	50 – 1000 l/h
humiFog	High Pressure Adiabatic humidifier 70bar	Demineralised	100 – 1000 l/h
MC Multi-zone	Compressed Air Adiabatic Humidifier	Mains Water	60 – 230 kg/h
humiDisk	Centrifugal Adiabatic Humidifier	Demineralised	1 – 6.5 kg/h



# CAREL Humidifier Virtual Training Sessions

November 2021



For more than 33 years, Eurotec have been supplying a wide range of Carel Humidifier Solutions to meet almost any application, from hospital operating theatres, art galleries/museums, hotels, textiles and paper manufacturing, high humidity refrigerated storage to high capacity humidification of wine barrel halls in wineries.

**We welcome you to register your interest in our virtual training sessions during November 2021.**

Each session will be run by Eurotec along with an expert from Carel. These sessions are designed to address needs of consultants, specifiers, mechanical and electrical contractors, facility managers and end users. Special sessions will be organised for organisations that have more than 5 of their own team members as we can personalise the sessions to address your queries.

**We plan to offer 3 separate sessions as below:**

**1**

**Humidification**

- Range
- Applications
- Design
- Selection tips

**2**

**Installation & Commissioning Tips**

**3**

**Service & Maintenance Tips**

**For more information or to register to attend one or all of these technical sessions, please contact your local Eurotec HVAC Sales Engineer or email us at sales@eurotec.co.nz or inquire directly from this email by clicking the button below.**

**EMAIL EUROTEC**

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