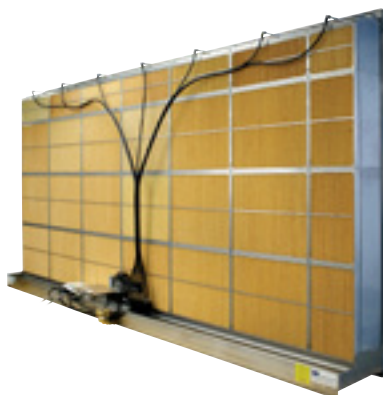


# CONDAIR HE2

THE EVAPORATIVE HUMIDIFIER WITH MASSIVE ENERGY SAVINGS.



## Features

- Instant evaporation
- Push-fit connections
- No aerosols

## Benefits

- Low running costs
- Quick & simple to install
- Can be located in short sections



## Hygiene cycles:

- Supply line purge on power connection to provide fresh water to the system
- Water quality dependent purge to maintain low conductivity in tank
- 24hr daily flush when not in use
- No demand drain
- Programmable flush cycle

## Custom design for any section size:

Due to its modular design, the Condair HE2 can be built to suit any AHU/duct size.

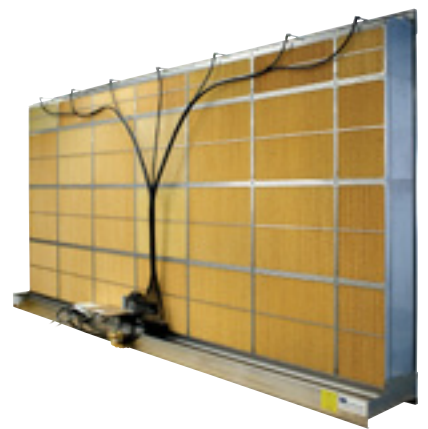
## Technical data

Efficiency	75-95 %
Maximum face velocity (negative pressure)	4.0 m/s
Maximum face velocity with separator (negative pressure)	5.0 m/s
Voltage	230 V (120V)
Power	0.49 kW
Water inlet pressure	2 bar
Height	750-2750 mm
Width	600-3000 mm
Depth	575 mm
Module construction	Stainless Steel



HUMIDIFICATION  
THE EVAPORATIVE HUMIDIFIER  
WITH INTELLIGENT CONTROL.  
COST-EFFICIENT AND MODULAR.

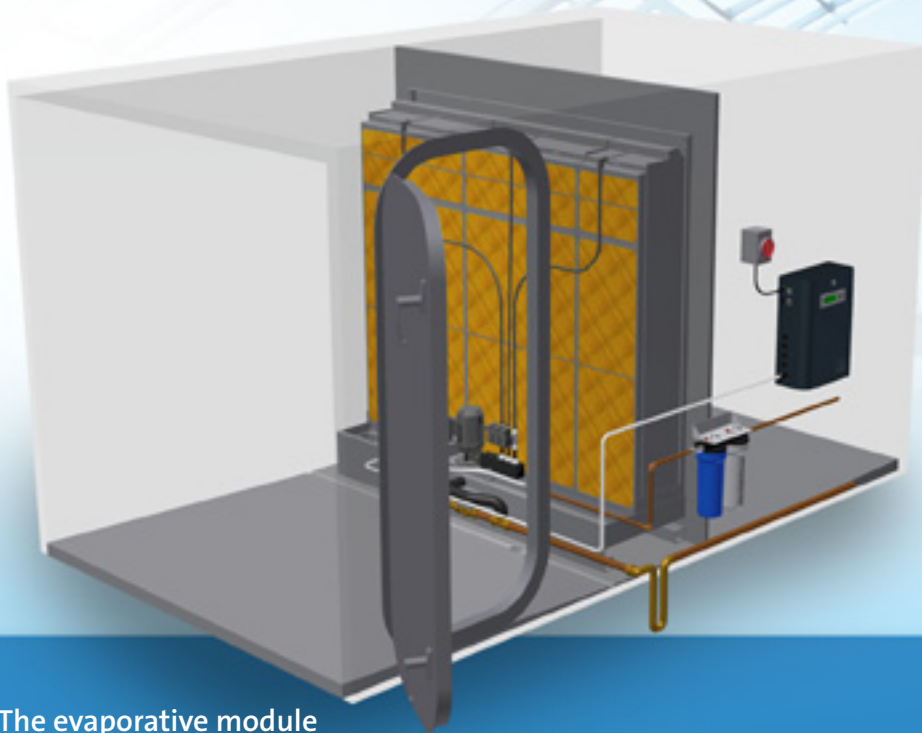
CONDAIR HE2



 **conda**ir

# Condair HE2

HUMIDIFICATION



The evaporative module



Intelligent control

At the heart of the Condair HE2 is the evaporative module, which is installed in an AHU or duct. Water is supplied to the top of a fully bonded particle free matrix and flows down its corrugated surface. Dry air passes through this moist material picking up water vapour, raising the humidity as it does so. This process consumes very little energy, far less than other technologies.

The water that doesn't evaporate assists in washing the matrix material and flows into a stainless steel tank at the base of the unit before being re-circulated up on to the matrix again.

The Condair HE2 uses less than 0.5kW electrical power making it very cheap to run and contributing to an environment friendly application.

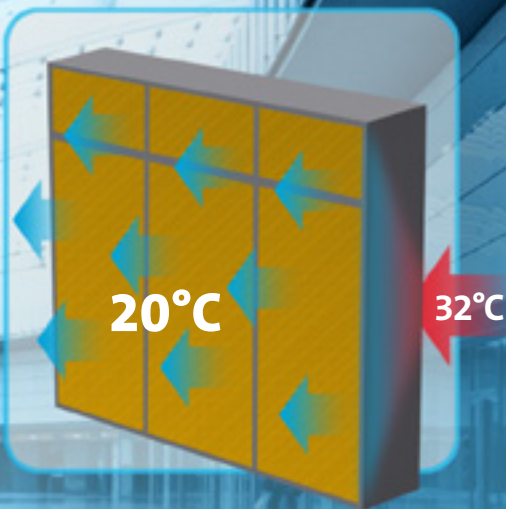
The Condair HE2 microprocessor control system is located outside the AHU, up to 100m away from the evaporative module. The compact system gives digital control over desired relative humidity or temperature levels, flush, drain and other water quality maintenance features.

The system can be timer controlled to activate only during hours of occupancy. Comprehensive real-time feedback shows current relative humidity and temperature, demand, hours run, system operating status and whether maintenance is required.

The whole system is easy to set-up and has multi-lingual options.

## Condair HE2 – key benefits

- Modular design to fit any application
- Free cooling up to 12°C
- Any humidity duty droplet-free
- Small carbon footprint
- High humidification duties
- VDI6022, WRAS & CE approved, fire retardant matrix class A2-s2,d0
- Low pressure drop
- Any water quality
- Single phase power
- High max working temp (60°C)
- Fully bonded, particle-free matrix



Evaporative cooling inclusive

The Condair HE2 offers up to 12°C of cooling and a very economical alternative or supplement to mechanical chillers. As the air passes over the cool, wet surface of the Condair HE2 evaporative matrix, there is a transfer of energy as the water evaporates.

Evaporative cooling is not a substitute for air conditioning as there are still some instances where direct mechanical cooling is required. However, the Condair HE2 provides free-cooling and reduces the overheads of chiller units, as well as the benefit of humidification in winter when the air is cool and dry.

