



# QUALITY STEAM

Electrode Steam Humidifier  
Condair EL



Humidification and evaporative cooling

 **condair**

# Electrode steam humidifier



### Intelligent design for quick maintenance

The Condair EL steam humidifier offers an intelligent cylinder concept with multiple options to suit any individual application.

Cleanable steam cylinder  
easy to clean, so it is  
multiple reusable



Replacement cylinder  
easy to fit in a few  
simple steps



### Easily replaceable steam cylinder

The Condair steam cylinder is the key component of the EL range of units. Deposits released during the evaporation process are collected in the steam cylinder and can therefore be removed easily.

### Drain pump with control

Minimizes drain water losses.

### Flexible steam distribution

Condair EL for use in  
HVAC-Systems



Condair EL with  
blower pack for direct  
room humidification



### Auto-adaptive water control

The Condair EL automatically adapts the consumption of water according to the required steam output.

### Touch Display for precise control

The innovative control system fitted to EL steam humidifiers ensures intuitive unit operation, outstanding transparency of functions and precise steam delivery.

### Perfect integration into Building Management Systems

Can be connected to any BMS system  
(e.g. Modbus and BACnet).



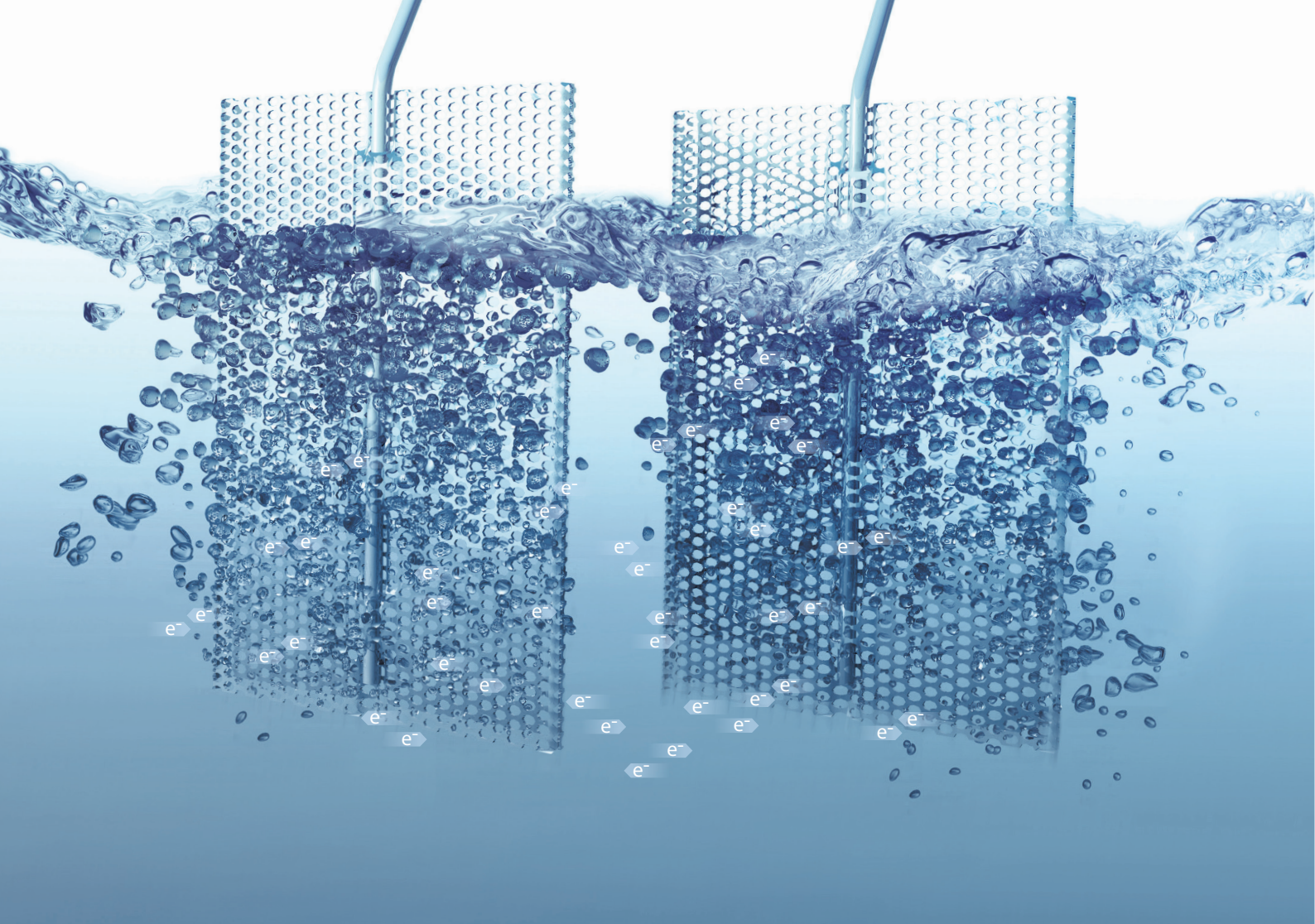
## Condair EL

Condair EL devices are the latest generation of well-known steam humidifiers from Condair. These products are the first choice

whenever simple but reliable steam humidification is required. Flexibility, reliability and performance—these are the demands that BMS installations have of steam humidifiers. Users of such installations look

for simple and easy operation, and demand healthy, hygienically humidified breathing air. The Condair EL series steam humidifier meets these demands in an exemplary manner.





## Grid electrodes with a large surface

The electrode heating system ensures reliable steam production from ordinary drinking water without additional water treatment.

The proven heating principle of Condair EL steam humidifiers automatically adapts to the quality of the available water with optimization of the unit's water consumption in a perfect way manner. The special grid structure of

the electrodes provides the largest possible surface area.

The composition used for the electrodes ensures maximum power transmission to the humidifying water. This ensures reliable operation, effective steam production and long operating periods.



## Touch Controller for precise control

The magic word for modern building management and EL series steam humidifiers is integration. A BMS interface for Modbus and BACnet is part of the basic equipment.

The Condair Touch Controller allows verification of all unit and process data at a glance.

Operating data can be called up in real time, and also a comprehensive data history is offered.

The menu is logic and has a simple structure, to ensure an easy and intuitive handling right from the start.

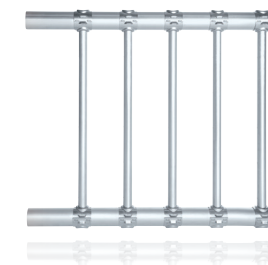




## Optimized steam distribution is the key to success



Condair steam distributor pipes  
For standard requirements, if enough space and a sufficient humidification distance is available on site.



Condair OptiSorp  
Distribution system for the most homogeneous steam distribution and the shortest possible humidification distance.



Condair Fan  
Ventilation device for direct room humidification.



## Comfortable remote control

The EL series steam humidifier includes an interface for connection to common BMS systems as standard. Remote control or remote monitoring is therefore possible without problems. For several humidifiers as part

of a more complex installation, the networking system provides a detailed overview of the system with rapid and early response in operation.



## Standard model

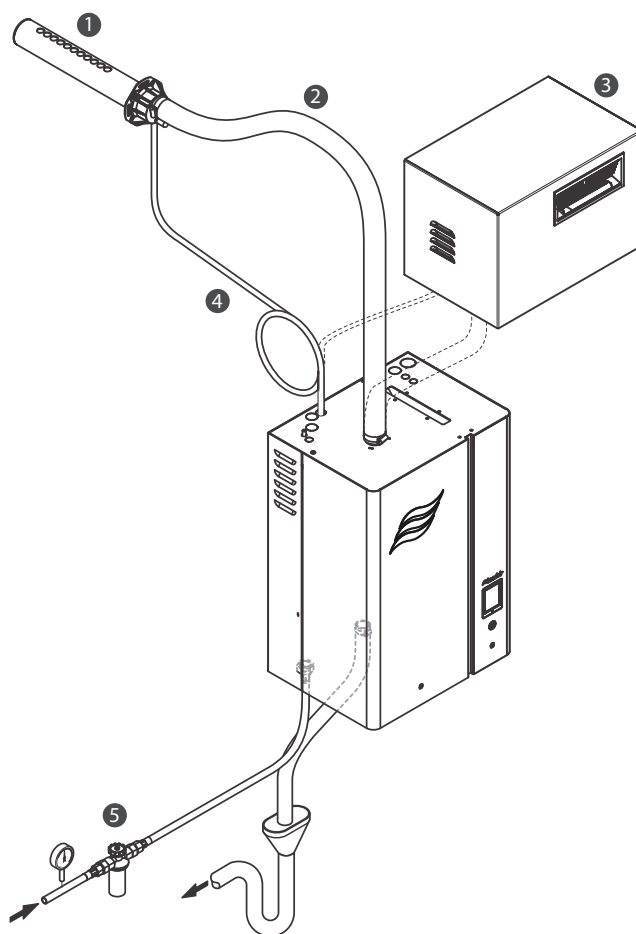
- Replacement steam cylinder
- Internal PI humidity controller
- Remote indication board
- Analog output for signaling actual steam capacity
- Operator control panel with touch screen and 5-line LCD display
- Self-diagnostic system
- Real-time clock
- Modbus and BACnet-connectivity

## Accessories

- Steam distribution system for duct installation [1]
- Steam distribution hose [2]
- Ventilation unit for direct room humidification [3]
- Condensate hose [4]
- Filter valve [5]

## Options

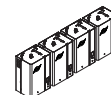
- Weatherproof protective housing
- Condair OptiSorp steam distribution system
- Pressure compensation set up to 10,000 Pa
- Humidity sensors and hygrometers
- Condair online remote diagnostics
- LonWorks-connectivity



## Technical data



Condair EL		5	8	10	15	20	24	30	35	40	45
Heating voltage		Max. steam output in kg/h									
400 VAC / 3Ph / 50..60Hz	kg/h	5	8	10	15	20	24	30	35	40	45
230 VAC / 1Ph / 50..60Hz	kg/h	5	8	10	-	-	-	-	-	-	-
Control voltage		230 VAC / 1 Ph / 50..60Hz									
Dimensions (WxHxD)	mm	420 x 670 x 370				530 x 780 x 406					
Operating weight (per unit)	kg	40	40	40	40	66	66	66	66	66	66
Conformity		CE, VDE, SVE									



Condair EL		50	60	70	80	90	105	120	135	152	160	180
Heating voltage		Max. steam output in kg/h										
400 VAC / 3Ph / 50..60Hz	kg/h	50	60	70	80	90	105	120	135	152	160	180
Control voltage		230 VAC / 1 Ph / 50..60Hz										
Dimensions (WxHxD)	mm	2x 530 x 780 x 406					3x 530 x 780 x 406			4x 530 x 780 x 406		
Operating weight (per unit)	kg	66	66	66	66	66	66	66	66	66	66	66
Conformity		CE, VDE, SVE										