Condair CP3

Simply steam

The Electrode Steam Humidifier.
Powerful and User-Friendly

Humidification and Evaporative Cooling

condair

Key benefits

Why Condair CP3?

Tailored technology.
You can program your specifications exactly to the last kilogram with the CP3 Card. This enables you to achieve the precise steam output necessary for your application.

Teamwork for optimum performance.
Up to four Condair CP3 units can be connected by link up. This combination produces a steam output of up to 180 kg/h – with precision and maximum hygiene.

Simple operation and maintenance.
The menu is clearly structured, components can be easily accessed and the steam cylinder replaced with a minimum of effort.

Normal drinking water – hygienic steam
The Condair CP3 is the unit if your application requires odourless, sterile and demineralised steam. It operates with normal drinking water, thus making it ideal for applications including large offices, call centres, hospitals and production facilities.

Dependability and operational reliability
Condair CP3 components consist of high-quality durable material, from the wall bracket to the electrode: your CP3 is assured of a long service life.

Simple installation and maintenance
Designers have produced a unit characterised by both a high degree of functionality and superior ergonomic qualities. The Condair CP3 can therefore be rapidly installed, all components easily accessed for maintenance, and the steam cylinder can be inserted or removed with a minimum of effort.

Optimised water consumption
Integrated water management ensures that only the minimum of volume of water is de-scaled – a measure which is clearly reflected in reduced operating costs.

Modbus, LonWorks and BACnet
Integration is the magic word when it comes to modern building management, and the Condair CP3 is a master in this field. The steam humidifiers can be integrated in building management systems via e-LINKS, regardless of whether these communicate by Modbus, LonWorks or BACnet.

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HUMIDIFICATION

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Steam cylinder: High performance, rapid replacement

The Condair steam cylinder is the core element of the CP3. It is designed for optimised exploitation of the available water conductivity to achieve the desired steam output. Due to formations of deposits, the cylinder is replaced from time to time – an operation which only takes minutes.

De-scaling pump: Maximum reliability

Condair CP3 water management can do a lot more than simply drain off water. De-scaling adapts to the actual water quality and optimises water consumption, even where variable steam outputs are required. The system itself ensures that adequate fresh water is always available for steam production.

Large LCD display: Simple control

Operating your Condair CP3 is child's play. The multiple line LCD display indicates all operating parameters, and new values can be entered via the integrated keypad. The user-friendly software guides you reliably through the menu – even if you infrequently use the unit.

CP3 Card: Tailored performance

How many kilograms of steam per hour do you need for your application? Your humidifier can be programmed right down to the last kilogram with the aid of the CP3 Card. This enables the achievement of steam capacities tailored to suit specific requirements.

And, should you need more steam, simply combine up to four units by link up. This enables the achievement of steam outputs of up to 180 kg/h.

The perfect supplementary additions

OptiSorp: The steam distribution system for short humidifying distances. A non-corrosive, turnkey unit ideal for uniform, precise steam distribution. OptiSorp can handle humidifying distances up to four times shorter than normal steam distributor pipes.

Condair FAN: The blower unit for direct humidifying of room air.

Sensor/Controller range: Optimise your humidifying system with a range of individually-suitable sensors and controllers.
For ON/OFF operation or continuous control.

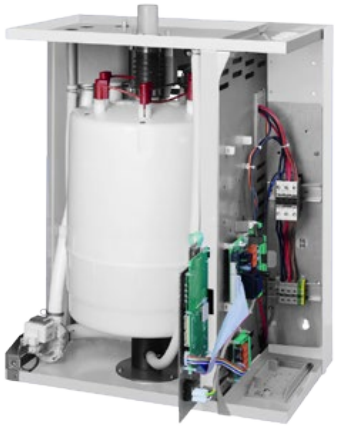
e-LINKS: Building management integration with LON or BACnet.

Variants and options

The **Condair CP3 Basic** is the compact all-rounder: a maximum of two units can be linked, and remote indication is optionally available.

The **Condair CP3 Pro** is a veritable multitalent when it comes to linking and combination compatibility. In addition to a real-time clock and timer programming, remote signalling and e-LINKS are also integrated – for operation as a sole unit or team player and direct actuation or integration in the building control system.

CONDAIR CP3



Condair CP3

Characteristics	Pro	Basic	Option
5-line graphic display and keypad	●	●	
Internal PI humidity controller	●	●	
Link-up system	●		
Self-diagnosis system	●	●	
Timer programming	●		
Real-time clock	●		
Analog output for current steam production	●		
Remote operating and error signalling	●		●
Adjustable de-scaling versions	●	●	
RS 485 interface with Modbus protocol	●		
Condair e-LINKS (BACnet/Lon Works) Building management system			●
Condensation trap			●
Pressure compensation set up to 10'000 Pa			●
Mounting rails			●

Technical data

Heating voltage		Steam output / Power consumption				
		1 unit	1 unit	2 units	3 units	4 units
400VAC/3, 50...60Hz	kg/h	5...8	16...25	52	105	152
	kW	3.8...6.0	12.0...18.8	39	78.75	114
	kg/h	9...15	26...45	60	120	160
	kW	5.8...11.3	19.5...33.8	45	90	120
	kg/h			70	135	180
	kW			52.5	101.5	135
	kg/h			80		
	kW			60		
	kg/h			90		
	kW			67.5		
230VAC/3, 50...60Hz	kg/h	5...8	16...21	44	75	100
	kW	3.8...6.0	12.0...15.75	33	56	75
	kg/h	9...15	22...30	50	90	120
	kW	6.75...11.25	16.5...22.5	37.5	67.5	90
	kg/h			60		
	kW			45.5		
200V/3, 50...60Hz	kg/h	5...8	16..23	50		
	kW	3.6...5.8	11.6...16.5	36.25		
	kg/h	9...15	24...31	60		
	kW	6.5...11	17.4...22.5	43.5		
230VAC/1, 50...60Hz	kg/h	5..8				
	kW	3.8...6.0				
200VAC/2, 50...60Hz	kg/h	5..8				
	kW	3.6...5.8				
Operating weight empty		21	28	28	28	28
Operating weight filled		26	65	65	65	65
Dimensions (W x H x D)	mm	456 x 620 x 280	559 x 667 x 350			
Control voltage		230VAC/1, 50..60Hz				
Control signals		on/off, 0..5VDC, 0..10VDC, 1..5VDC, 2..10VDC, 0..16VDC, 3.2...16VDC, 0..20mA, 4..20mA				
Admissible duct air pressure		- 800 ... +1500 Pa				
Water quality		untreated drinking water				
Protection		IP 20				
Conformity		CE, GOST,VDE				

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