

HygroMatik®

member of CAREL group

CAREL

SteamKits E and H

Steam humidifier installation kit electrode and heater type



- Hygienic humidification with mineral-free steam
- Fast steam production
- Reusable steam cylinder
- Robust blowdown pump for low maintenance requirements
- Easy maintenance without special tools



Humidification for best conditions
for industry, manufacturing processes, public buildings and offices

HygroMatik SteamKits **E**lectrode und **H**eater Type

The integrative solution: Steam humidifiers as an installation kit

Electrode or Heater Type – flexible and reliable in use

The HygroMatik steam humidifiers are also available as an installation kit. Depending on the required steam output and available water quality, you can choose between the electrode or the heater type version. The **SteamKit E** can be operated with tap water and is characterised by low acquisition costs. The **SteamKit H**, on the other hand, has the advantage that it is almost maintenance-free when using demineralised water.

The high-quality, ready-to-connect components and the well thought-out technology of the SteamKits are convincing due to their simple installation and long service life. This is why numerous well-known manufacturers of climatic cabinets, baking ovens and clean room workbenches rely on the proven quality of our steam humidifier installation kits.



Sustainable and reusable – the divisible steam cylinder

In all of its products HygroMatik places top priority on finding sustainable solutions that have as little impact as possible on humans and the environment. This is why we never use disposable cylinders, but only reusable and cleanable steam cylinders.



SteamKit E

- Steam outputs from 2 to 65 kg/h
- Large-surface electrodes made of stainless steel for long service life
- Operation with tap water
- With Standard control incl. PI controller
- Low acquisition costs



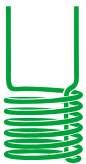
SteamKit E02



SteamKit E15

Full-surface electrodes

Electrode steam humidifiers are the ideal solution if you need simple, reliable steam humidification. Due to the high material quantity, the solid full-surface electrodes from HygroMatik are particularly durable and ideally suited for tap water. The electrodes need to be replaced less often, which keeps the maintenance costs low.



SteamKit H

- Steam outputs from 2 to 50 kg/h
- Resistance heating element made of highly corrosion-resistant alloy
- Operation with different water qualities possible
- Almost maintenance-free when using fully demineralised water
- With Standard control incl. PI controller and capacitive water level sensor, that is precise and robust



SteamKit H02
with float switch



SteamKit H06 with capacitive
water level sensor

Heater elements

Steam cylinders with resistance type heater elements are suitable for many water qualities, especially for treated water. They offer extremely high control accuracy and guarantee virtually uninterrupted and low-maintenance operation, especially for treated water.





Technical data for SteamKit E (electrodes)

Type	KIT E02	KIT E06	KIT E10	KIT E15	KIT E20	KIT E30	KIT E45	KIT E65
Steam output [kg/h]	1.9-2.1	4.4-4.8	9.5-10.4	14.2-15.5	19.0-20.8	28.5-31.1	42.7-46.7	61.8-67.5
Electrical connection ⁽¹⁾	220-240V / 1Ph / N / 50-60Hz							
Rated power [kW]	1.4-1.6	3.3-3.6	7.1-7.8	10.7-11.6	14.3-15.6	21.4-23.4	32.1-35.0	46.3-50.6
Nominal current [A]	6.5	15.0	10.8	16.2	21.7	32.5	48.7	70.4
Fuse [A] ⁽²⁾	1 x 10	1 x 20	3 x 16	3 x 20	3 x 32	3 x 40	3 x 63	3 x 80
Control	optional: Standard or Basic							
Control voltage	220 - 240V / 1.6A							
Steam hose connection [mm]	1 x 25			1 x 40			2 x 40	
Water consumption ⁽⁷⁾ [l/h]	2.5	5.8	12.5	18.6	25.0	37.5	56.0	81.0
Water flow rate ⁽⁸⁾ [l/mm]	1.3							
Max. filling capacity [l/min]	2.9	2.6	4.8	13.2			35.7	
Empty weight [kg]	3.4	3.6	4.0	7.0	8.0	8.0	13.0	13.0
Operation weight [kg]	8.0	7.0	9.0	21.0	22.0	22.0	49.0	49.0
Height [mm]	400	530	550	730			750	
Width [mm]	300							
Depth [mm]	220							
Water connection	tap water of varying qualities, 1 to 10 bar, 3/4" external thread							
Drain water connection	Connection Ø 1 1/4"							

Subject to technical changes.

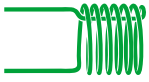
⁽¹⁾ Other voltages on request.

⁽²⁾ 1.1 times the current consumption after full blowdown. Observe tripping characteristics of circuit breakers. If necessary, select next higher circuit breaker level.

⁽⁷⁾ Maximum water consumption at 100% demand plus blow down losses.

Water consumption depends on the water quality and options installed.

⁽⁸⁾ Flow rate of feed water when refilling.



Technical data for SteamKit H (heater type)

Type	KIT H02	KIT H03	KIT H06	KIT H09	KIT H15	KIT H25	KIT H30	KIT H40	KIT H50	
Steam output [kg/h]	1.8-2.2	2.7-3.3	5.5-6.5	8.1-9.7	13.7-16.4	22.7-27.1	27.4-32.7	36.5-43.5	45.5-54.3	
Electrical connection ⁽¹⁾	220-240V / 1Ph / N / 50-60Hz			380-415V / 3Ph / N / 50-60Hz						
Rated power [kW]	1.4-1.6	2.1-2.4	4.1-4.9	6.1-7.3	10.3-12.3	17.1-20.3	20.6-24.5	27.3-32.6	34.1-40.7	
Nominal current [A]	6.2-6.8	9.4-10.2	18.7-20.4	16.0-17.5	15.6-17.1	25.9-28.3	31.2-34.1	41.5-45.4	51.8-56.6	
Fuse [A]	1 x 10	1 x 16	1 x 25	3 x 16	3 x 20	3 x 32	3 x 35	3 x 50	3 x 63	
Control	optional: Standard or Basic									
Control voltage	220-240V / 1.6A									
Steam hose connection [mm]	1 x 25			1 x 40			2 x 40			
Water consumption ⁽⁷⁾ [l/h]	2.6	4.0	7.8	11.7	19.5	32.5	39.0	52.0	65.0	
Water flow rate ⁽⁸⁾ [l/mm]	1.3									
Max. filling capacity [l/min]	3.1	4.8								
Empty weight [kg]	4.5	5.4								
Operation weight [kg]	9.0	11.0								
Height [mm]	400	530								
Width [mm]	300									
Depth [mm]	220									
Water connection	fully demineralised water / cleaned condensate / partially softened water / tap water of varying qualities 1 to 10 bar, 3/4" external thread									
Drain water connection	Connection Ø 1 1/4"									

Subject to technical changes.

⁽¹⁾ Other voltages on request.

⁽⁷⁾ Maximum water consumption at 100% demand plus blow down losses.

Water consumption depends on the water quality and options installed.

⁽⁸⁾ Flow rate of feed water when refilling.

Our service for 100% customer satisfaction

- Long availability for replacement parts
- Technical hotline +49 4193 895-293
or hotline@hygromatik.com
- HygroMatik distributes in more than 45 countries
- Operating manuals, planning data and information
on workshop events available online at
www.hygromatik.com

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