



Technical data HeaterLine

Type	HL06	HL09	HL12	HL18	HL24	HL27	HL30	HL36	HL45	HL60 2x HL30	HL70 2x HL36	HL80 HL36+HL45	HL90 2x HL45
Steamoutput [kg/h]	6	9	12	18	24	27	30	36	45	60	72	81	90
Number of units	1									2			
Electrical supply / unit	400V/3/N 50-60Hz*												
Power rating / unit [kW]	4.5	6.8	9	13.5	18	20.3	22.5	27	33.8	22.5	27	33.8	33.8
Input / unit [A]	11.3	16.9	19.5	29.3	39	29.3	39	58.5	58.5	39	58.5	58.5	58.5
Circuit protection / unit [A]	3x16	3x20	3x20	3x35	3x40	3x35	3x40	3x63	3x63	3x40	3x63	3x63	3x63
Control / unit	Basic, Comfort, ComfortPlus or Professional									Basic, Comfort and ComfortPlus			
Number of heater elements / unit	1		2		4	3	5	4	5		4	1x4, 1x5	5
Steam hose connection / unit [mm]	1x25**			1x40				2x40, Y-piece incl.		2x40, Y-piece incl.			
Empty weight [kg]	36		37	38	40		48		49	94	95	96	97
Operation weight [kg]	51		52	53	55		78		79	154	155	156	157
Height [mm]	830						855						
Width [mm] / unit	645						688						
Depth [mm]	325						395						
Water supply***	Fully demineralised water / cleaned condensate / partially softened and standard tap water, 1-10 bar, 13 mm hose												
Fan unit, wall mounted	VG08	VG17		VG30				2x VG30		4x VG30			
Air circulation of fan unit [m³/h]	160	185		350				2x350		4x350			

* Other voltages upon request

** Reducing piece DN40 to DN25 included

*** For very hard feedwater a water analysis is necessary

Subject to technical amendments without notice

HygroMATIK
WE HUMIDIFY THE AIR

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HygroMATIK
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HeaterLine

Heater Type Steam Humidifiers
for various water qualities



HygroMATIK
MORE THAN
45 YEARS
HUMIDIFICATION



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

07/2017

Certified Quality
VDE, GS and CE

Easy Maintenance.

The HeaterLine series is robust and requires extremely low maintenance. The cylinders and cabinets are made of high-quality, high-grade corrosion resistant stainless steel.

The demountable cover offers easy access to the components from three sides. The HeaterLine is offered in 9 different unit sizes with steam output of 6-225 kg/h. Steam output of more than 45 kg/h is obtained by using several units together. It can be operated with demineralised, softened or tap water.



Best by Design

- Compact and space-saving – even when using tap water
- The new rinsing and scale collecting system allows for easy maintenance
- Cabinet and steam cylinder are made of high-grade corrosion resistant stainless steel
- Proportional control of up to +/- 1%
- Hygienic humidification with mineral-free steam

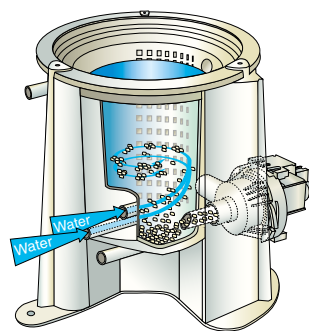


The remaining scale deposits are accumulated in the sturdy removable filter and can be removed without any chemicals during maintenance. Connectors, cylinder tension ring and steam hose adapter make maintenance quick and easy. The system is integrated into the unit, permitting for HeaterLine's compact dimensions, even when using tap water. When using demineralised water, there are practically no deposits so that servicing requirements are reduced to a minimum.

Combined Rinsing and Scale Collecting System

During operation with demineralised or tap water, the minerals contained in the water are turned into scale deposits.

The integrated rinsing system induces an eddy during the partial blow-down. Thus scale particles are whirled up and can be expelled using the powerful blow-down pump. The amounts of scale deposits collected in the filter are clearly reduced.



Exact Control. Fast Response.

High performance microprocessors control and monitor the new HygroMatik heater type steam humidifiers ensuring outstanding controllability and fast precise response. During operation with demineralised water, the Comfort and Comfort Plus controls offer a controllability of up to +/- 1%. The units intelligently adapt to the existing water quality. Stand-by blow-down feature prevents standing water in the cylinder according to German VDI 6022. The HeaterLine can be controlled proportionally within a range of 5-100% of the rated power output.

The controls accept all standard control signals. Remote control or master-slave operation optional.

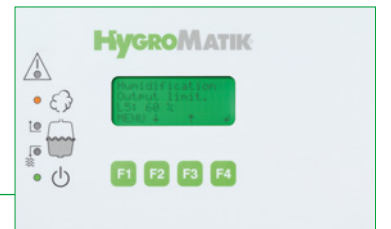
The HeaterLine Basic unit provides

- proportional or on/off control
- automatic system test
- 5 LED's to indicate important operation information
- 2 potential free remote signals
- stand-by heating for rapid steam production
- integrated communication protocol Modbus RTU
- stand-by blow-down



The HeaterLine Comfort unit includes additionally

- integrated PI control
- back-lit LC display
- 4 function keys for easy operation and programming



HeaterLine ComfortPlus additionally provides

- encoder for very easy operation and programming
- timer function



Proven high-quality components



In the high-grade **stainless steel cylinder**, 1 to 5 high-quality, stainless steel heating elements heat up the water according to the immersion boiler principle. The float switch and mechanical over temperature sensor work together allowing control of the water level and providing protection against dry-run.



The **heavy-duty blow-down pump** supports the combined rinsing and scale collection system by draining the scale deposits. The deposits are discharged, before accumulating in the first place. This reduces the quantity of scale in the filter and lengthens servicing intervals.

Our service for you

- HygroMatik distributors in more than 35 countries worldwide
- Technical hotline: +49 4193 895-293
- Personal on-site assistance
- 24-hour spare parts service
- Extended availability of spare parts
- Manuals and information material at www.hygromatik.com

