



Technical Data HeaterLine

Type		HL06	KL09	HL12	HL18	HL24	HL30	HL36	HL45
Steam output	[kg/h]	6	9	12	18	24	30	36	45
Electrical supply		400V/3/N 50-60Hz*							
Electrical power	[kW]	4,5	6,8	9,0	13,5	18,0	22,5	27,0	33,75
Current	[A]	11,3	16,9	19,5	29,3	39,0	39,0	58,5	58,5
Fuse	[A]	3x16	3x20	3x25	3x35	3x63	3x63	3x63	3x63
Control		Basic, Comfort, Comfort Plus							
Number of heating elements		1	1	2	2	4	5	4	5
Steam hose connection	[mm]	1x25	1x25	1x25	1x40	1x40	2x40**	2x40**	2x40**
Condensate hose connection	[mm]	1x12	1x12	1x12	1x12	1x12	2x12**	2x12**	2x12**
Empty weight	[kg]	35	35	36	36	38	46	45	46
Operational weight	[kg]	48	48	49	49	51	72	71	72
Dimensions	Height[mm]	831	831	831	831	831	855	855	855
	Width [mm]	644	644	644	644	644	688	688	688
	Depth [mm]	322	322	322	322	322	392	392	392
Water supply		1 to 10 bar, for connection 3/4"							
Fan unit, wall mounted		VG08	VG17	VG17	VG30	VG30	VG30	2xVG30	2xVG30
Air circulation of fan unit	[m³/h]	160	185	185	350	350	350	2x350	2x350

*other voltages on request

** incl. required T-piece

Subject to technical amendments without notice

HYGROMATIK®
WE HUMIDIFY THE AIR.

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A member of the **spirax** / **sarco** group

HeaterLine

Heater Type Steam Humidifiers
for All Water Qualities



HYGROMATIK®
WE HUMIDIFY THE AIR.



Compact. Easy Maintenance. Stainless Steel.

The new HeaterLine series offers compact unit dimensions and 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. HeaterLine is offered in 8 different unit types with maximum steam generating capacities of 6-45 kg/h available in two compact sized dimensions. It can be operated with demineralized, softened or tap water.

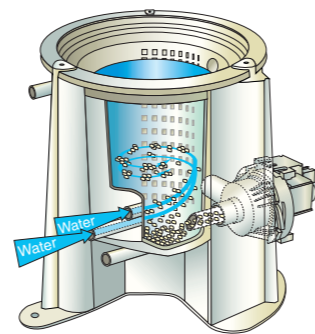


Combined Rinsing and Scale Collecting System

During operation with demineralized 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.

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 HeaterLines's compact dimensions, even when using tap water. When using demineralized water, there are practically no deposits so that servicing requirements are reduced to a minimum.



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

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 operations with demineralized 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.

Certified Quality
VDE, GS and CE

The Microprocessor Controls Basic

- 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 interface RS485



The Comfort units include additionally

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

Comfort Plus additionally provides

- encoder for very easy operation and programming
- timer function
- optional remote control



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 lightens servicing intervals.



Our service for you

- HygroMatik distributors in more than 35 countries worldwide
- Technical Hotline Telephone
- Manuals and information material at www.hygromatik.com