

Specification

Heater type steam humidifiers **HeaterLine Comfort Plus**

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free and pure steam. Installation and maintenance-friendly design for wall mounting.

Cabinet and cylinder completely made from corrosion-resistant stainless steel.

With VDE and GS certification, CE, CSA C/US and EAC compliant. Developed and manufactured in Germany.

Can be operated with completely demineralised, partially softened or standard tap water.

Includes as standard

- re-usable stainless steel steam cylinder - cleanable and available for re-use
- high-quality replaceable heating elements
- combined rinsing and scale collection system. During operation with softened or tap water the system rinses scale particles. The amount of scale deposits collected in the filter is clearly reduced. The remaining scale deposits are accumulated in the removable filter and can be removed during maintenance. The system is integrated into the unit therefore the dimensions of the HeaterLine are compact even when using tap water. When using demineralised water maintenance is reduced to a minimum.
- heavy-duty blow-down pump which also drains particles of scale and thereby prolongs cylinder standing times
- connectors, cylinder tension ring and steam hose adapter for quick and easy cylinder removal
- protection against dry-run
- removable cover providing all round component accessibility

Optional

- Timer controlled stub flushing
- Integrated drain water tempering to ensure a drain water temperature of max. 60°C

Highly efficient control with 16 bit processor for rapid steam production, optimum energy efficiency and low-maintenance operation. Permanently monitors the complete humidification process for comprehensive operational safety. Accepts all standard control signals and provides modular set up.

Microprocessor control Comfort Plus:

- Automatic system test
- Proportional or on/off control
- 2 integrated PI-controllers
- Controllability of up to +/- 1%
- Proportional controllability within a range of 5-100% of the rated power output
- 5 LEDs to indicate important operation information
- Back-lit LC display
- Encoder for very easy operation and programming
- 4 function keys
- Timer function
- 2 potential free remote signals, one of them programmable with 15 options
- Stand-by blow-down to eliminate standing water according to German VDI 6022
- Adjustment of blow-down via menu
- Stand-by heating for rapid steam production
- Integrated communication protocol Modbus RTU
- Integrated serial interface RS-232 / RS-485 (EIA-232 / EIA-485)

Optional

- Relay circuit board for 4 additional signals selectable from 15 options
- Remote control

Specification

Heater type steam humidifiers **HeaterLine Comfort**

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free and pure steam. Installation and maintenance-friendly design for wall mounting.

Cabinet and cylinder completely made from corrosion-resistant stainless steel.

With VDE and GS certification, CE, CSA C/US and EAC compliant. Developed and manufactured in Germany.

Can be operated with completely demineralised, partially softened or standard tap water.

Includes as standard

- re-usable stainless steel steam cylinder - cleanable and available for re-use
- high-quality replaceable heating elements
- combined rinsing and scale collection system. During operation with softened or tap water the system rinses scale particles. The amount of scale deposits collected in the filter is clearly reduced. The remaining scale deposits are accumulated in the removable filter and can be removed during maintenance. The system is integrated into the unit therefore the dimensions of the HeaterLine are compact even when using tap water. When using demineralised water maintenance is reduced to a minimum.
- heavy-duty blow-down pump which also drains particles of scale and thereby prolongs cylinder standing times
- connectors, cylinder tension ring and steam hose adapter for quick and easy cylinder removal
- protection against dry-run
- removable cover providing all round component accessibility

Optional

- Timer controlled stub flushing
- Integrated drain water tempering to ensure a drain water temperature of max. 60°C

Highly efficient control with 16 bit processor for rapid steam production, optimum energy efficiency and low-maintenance operation. Permanently monitors the complete humidification process for comprehensive operational safety. Accepts all standard control signals and provides modular set up.

Microprocessor control type Comfort:

- Automatic system test
- Proportional or on/off control
- 2 integrated PI-controllers
- Controllability of up to +/- 1%
- Proportional controllability within a range of 5-100% of the rated power output
- 5 LEDs to indicate important operation information
- Back-lit LC display
- 4 function keys for easy operation and programming
- 2 potential free remote signals, one of them programmable with 15 options
- Stand-by blow-down to eliminate standing water according to German VDI 6022
- Adjustment of blow-down via menu
- Stand-by heating for rapid steam production
- Integrated communication protocol Modbus RTU
- Integrated serial interface RS-232 / RS-485 (EIA-232 / EIA-485)

Optional

- Relay circuit board for 4 additional signals selectable from 15 options

Specification

Heater type steam humidifiers **HeaterLine Basic**

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free and pure steam. Installation and maintenance-friendly design for wall mounting.

Cabinet and cylinder completely made from corrosion-resistant stainless steel.

With VDE and GS certification, CE, CSA C/US and EAC compliant. Developed and manufactured in Germany.

Can be operated with completely demineralised, partially softened or standard tap water.

Includes as standard

- re-usable stainless steel steam cylinder - cleanable and available for re-use
- high-quality replaceable heating elements
- combined rinsing and scale collection system. During operation with softened or tap water the system rinses scale particles. The amount of scale deposits collected in the filter is clearly reduced. The remaining scale deposits are accumulated in the removable filter and can be removed during maintenance. The system is integrated into the unit therefore the dimensions of the HeaterLine are compact even when using tap water. When using demineralised water maintenance is reduced to a minimum.
- heavy-duty blow-down pump which also drains particles of scale and thereby prolongs cylinder standing times
- connectors, cylinder tension ring and steam hose adapter for quick and easy cylinder removal
- protection against dry-run
- removable cover providing all round component accessibility

Optional

- Timer controlled stub flushing
- Integrated drain water tempering to ensure a drain water temperature of max. 60°C

Highly efficient control with 16 bit processor for rapid steam production, optimum energy efficiency and low-maintenance operation. Permanently monitors the complete humidification process for comprehensive operational safety. Accepts all standard control signals and provides modular set up.

Microprocessor control Basic:

- Automatic system test
- Proportional or on/off control
- Proportional controllability within a range of 5-100% of the rated power output
- 5 LEDs to indicate important operation information
- 2 potential free remote signals, one of them programmable with 15 options
- Stand-by blow-down to eliminate standing water according to German VDI 6022
- Adjustment of blow-down
- Stand-by heating for rapid steam production
- Integrated communication protocol Modbus RTU
- Integrated serial interface RS-232 / RS-485 (EIA-232 / EIA-485)

Optional

- Relay circuit board for 4 additional signals selectable from 15 options

Specification

Heater type steam humidifiers **HeaterLine Professional**

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free and pure steam. Installation and maintenance-friendly design for wall mounting.

Cabinet and cylinder completely made from corrosion-resistant stainless steel.

With VDE and GS certification, CE and EAC compliant. Developed and manufactured in Germany.

Can be operated with completely demineralised, partially softened or standard tap water.

Includes as standard

- re-usable stainless steel steam cylinder - cleanable and available for re-use
- high-quality replaceable heating elements
- combined rinsing and scale collection system. During operation with softened or tap water the system rinses scale particles. The amount of scale deposits collected in the filter is clearly reduced. The remaining scale deposits are accumulated in the removable filter and can be removed during maintenance. The system is integrated into the unit therefore the dimensions of the HeaterLine are compact even when using tap water. When using demineralised water maintenance is reduced to a minimum.
- heavy-duty blow-down pump which also drains particles of scale and thereby prolongs cylinder standing times
- connectors, cylinder tension ring and steam hose adapter for quick and easy cylinder removal
- protection against dry-run
- removable cover providing all round component accessibility

Highly efficient control with 16 bit processor for rapid steam production, optimum energy efficiency and low-maintenance operation. Permanently monitors the complete humidification process for comprehensive operational safety. Accepts all standard control signals and provides modular set up.

Microprocessor control type Professional:

- Automatic system test to check all features and unit components
- Proportional or on/off control
- Integrated PI-controllers
- Controllability of up to +/- 0,5%
- Proportional controllability within a range of 0-100% of the rated power output
- 7 LEDs to indicate operating notifications
- 4-digit back-lit LC display
- 4 function keys for simple handling and programming
- 2 potential free remote signals
- Stand-by blow-down to eliminate standing water according to German VDI 6022
- Adjustment of blow-down via menu
- Stand-by heating for rapid steam production
- Integrated interface RS 485
- Optimised for small refill hysteresis
- Quasi-steady water regulation over 4-fold magnet valve for continuous water refill

Technical Data

Steam output	.....	kg/h (max.)
Electrical supply	...../...../.....	V/Phases/(N)
Control voltage	.....	V
Electrical power	.....	kW (max.)
Current	.....	A (max.)
Manufacturer	HygroMatik	
Type	HeaterLine-..... (Basic, Comfort, Comfort Plus or Professional)	

Accessories

- Steam manifold with condensate return

DN	.....	(25 or 40)
Length	.....	(220, 400, 600, 900, 1200 or 1450mm)

- alternatively Fan unit

Recirculation air	.....	m ³ /h
Manufacturer	HygroMatik	
Type	VG	

- Steam hose

DN	.....	(25 or 40)
Length	.....	m

Condensate hose		
Length	.....	m

Drain hose		
Length	.....	m