

Specification

CompactLine ComfortPlus electrode steam humidifiers

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free, odourless and sterile steam. Steam output 1 – 58 kg/h per unit. Installation and maintenance-friendly design for wall mounting. Housing made completely from corrosion-resistant stainless steel with separate areas for steam and electrics.

With VDE and GS certification, CE, CSA C/US and EAC compliant. Developed and manufactured in Germany. For direct connection to standard water main supplies.

As standard with

- maintainable plastic cylinder – easy to clean without chemicals as well as reusable
- solid plate stainless steel electrodes – especially long standing times, can be replaced quickly without tools
- heavy-duty blow-down pump to prolong the standing times by pumping out scale
- steam hose adapter for quick installation and dismantling of the cylinder
- easily accessible connection terminals
- easily accessible components from three sides due to removable cover
- mounting material supplied

Optional

- SuperFlush, cylinder rinsing system for significant increase of cylinder standing times through increased removal of scale
- Type AB safety device* for filling in acc. with DIN EN 1717 for drinking water protection, DVGW certified
- Timer controlled stub flushing
- CylinderStar** for longer life expectancy of the electrodes in highly conductive water
- Galvanised electrodes for optimised electrical life expectancy for high chlorine content
- Integrated drain water tempering to ensure a drain water temperature of max. 60°C

Highly-efficient control electronics with 16-bit processor for fastest possible steam production, optimum energy efficiency and low-maintenance operation. Comprehensive operational safety through continuous self-monitoring of the unit functions. The control processes all standard control signals and can be extended with modules.

Microprocessor control ComfortPlus***:

- Automatic system test incl. self-diagnosis to check all functions and components
- Constant or single-stage control
- 2 integrated PI controls
- 4-line illuminated display
- 4 function keys
- Rotary push encoder for really simple operation and programming
- Timer function
- 5 LEDs to indicate 18 operating and service messages
- 2 potential free remote signals, one of them freely programmable with 15 options
- Stand-by blow-down to prevent standing cylinder water according to VDI (Association of German Engineers) 6022
- Autonomous adjustment to the corresponding water quality
- Integrated communication protocol Modbus RTU
- Integrated serial interface RS-232 / RS-485 (EIA-232 / EIA-485), optionally deselectable
- Changeover to process humidification via menu

Optional

- Relay circuit board to output 4 control commands / messages from 15 options
- Remote control

*This option does not apply for C01/C02

**This option does not apply for C01–C06

***ComfortPlus not intended for C01-C10

Specification

CompactLine Comfort electrode steam humidifiers

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free, odourless and sterile steam. Steam output 1 – 58 kg/h per unit. Installation and maintenance-friendly design for wall mounting. Housing made completely from corrosion-resistant stainless steel with separate areas for steam and electrics.

With VDE and GS certification, CE, CSA C/US and EAC compliant. Developed and manufactured in Germany. For direct connection to standard water main supplies.

As standard with

- maintainable plastic cylinder – easy to clean without chemicals as well as reusable
- solid plate stainless steel electrodes – especially long standing times, can be replaced quickly and without tools
- heavy-duty blow-down pump to prolong the standing times by pumping out scale
- steam hose adapter for quick installation and dismantling of the cylinder
- easily accessible connection terminals
- easily accessible components from three sides due to removable cover
- mounting material supplied

Optional

- SuperFlush, cylinder rinsing system for significant increase of cylinder standing times through increased removal of scale
- Type AB safety device* for filling in acc. with DIN EN 1717 for drinking water protection, DVGW certified
- Timer controlled stub flushing
- CylinderStar** for longer life expectancy of the electrodes in highly conductive water
- Galvanised electrodes for optimised electrical life expectancy for high chlorine content
- Integrated drain water tempering to ensure a drain water temperature of max. 60°C

Highly-efficient control electronics with 16-bit processor for fastest possible steam production, optimum energy efficiency and low-maintenance operation. Comprehensive operational safety through continuous self-monitoring of the unit functions. The controller processes all standard control signals and can be extended with modules.

Microprocessor control Comfort:

- Automatic system test incl. self-diagnosis to check all functions and components
- Constant or single-stage control
- 2 integrated PI controls
- 4-line illuminated display
- 4 function keys
- 5 LEDs to indicate 18 operating and service messages
- 2 potential free remote signals, one of them freely programmable with 15 options
- Stand-by blow-down to prevent standing cylinder water according to VDI (Association of German Engineers) 6022
- Autonomous adjustment to the corresponding water quality
- Integrated communication protocol Modbus RTU
- Integrated serial interface RS-232 / RS-485 (EIA-232 / EIA-485), optionally deselectable
- Changeover to process humidification via menu

Optional

- Relay circuit board to output 4 control commands / messages from 15 options

* This option does not apply for C01/C02

**This option does not apply for C01–C06

Specification

CompactLine Basic electrode steam humidifiers

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free, odourless and sterile steam. Steam output 1 – 58 kg/h per unit. Installation and maintenance-friendly design for wall mounting. Housing made completely from corrosion-resistant stainless steel with separate areas for steam and electrics.

With VDE and GS certification, CE, CSA C/US and EAC compliant. Developed and manufactured in Germany. For direct connection to standard water main supplies.

As standard with

- maintainable plastic cylinder – easy to clean without chemicals as well as reusable
- solid plate stainless steel electrodes – especially long standing times, can be replaced quickly without tools
- heavy-duty blow-down pump to prolong the standing times by pumping out scale
- steam hose adapter for quick installation and dismantling of the cylinder
- easily accessible connection terminals
- easily accessible components from three sides due to removable cover
- mounting material supplied

Optional

- SuperFlush, cylinder rinsing system for significant increase of cylinder standing times through increased removal of scale
- Type AB safety device* for filling in acc. with DIN EN 1717 for drinking water protection, DVGW certified
- Timer controlled stub flushing
- CylinderStar** for longer life expectancy of the electrodes in highly conductive water
- Galvanised electrodes for optimised electrical life expectancy for high chlorine content
- Integrated drain water tempering to ensure a drain water temperature of max. 60°C

Highly-efficient control electronics with 16-bit processor for fastest possible steam production, optimum energy efficiency and low-maintenance operation. Comprehensive operational safety through continuous self-monitoring of the unit functions. The controller processes all standard control signals and can be extended with modules.

Microprocessor control Basic:

- Automatic system test incl. self-diagnosis to check all functions and components
- Constant or single-stage control
- 5 LEDs to indicate 18 operating and service messages
- 2 potential free remote signals, one of them freely programmable with 15 options
- Stand-by blow-down to prevent standing cylinder water according to VDI (Association of German Engineers) 6022
- Autonomous adjustment to the corresponding water quality
- Integrated communication protocol Modbus RTU
- Integrated serial interface RS-232 / RS-485 (EIA-232 / EIA-485), optionally deselectable
- Changeover to process humidification

Optional

- Relay circuit board to output 4 control commands / messages from 15 options

* This option does not apply for C01/C02

**This option does not apply for C01–C06

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	CompactLine(Basic, Comfort or ComfortPlus*)

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
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- Drain hose

Length m
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* ComfortPlus for C01 and C02 not intended.