

Specification

Electrode steam humidifiers **MiniSteam Comfort** for direct room humidification

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free and pure steam. Steam output of 5 or 10 kg/h. Installation and maintenance-friendly design for wall mounting. Housing made completely from corrosion-resistant stainless steel with powder-coated lockable cowling and 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.

Includes as standard

- integrated quiet fan unit for even distribution of steam into the room
- 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
- components easily accessible due to removable cover
- mounting material

Optional

- CylinderStar for longer life expectancy of the electrodes in highly conductive water
- Timer controlled stub flushing
- Cylinder rinsing system for significant increase of cylinder standing times through increased removal of scale
- 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 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

Specification

Electrode steam humidifiers **MiniSteam Basic** for direct room humidification

Connection-ready compact steam humidifier for fully automated and intrinsically safe production of mineral-free and pure steam. Steam output of 5 or 10 kg/h. Installation and maintenance-friendly design for wall mounting. Housing made completely from corrosion-resistant stainless steel with powder-coated lockable cowling and 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.

Includes as standard

- integrated quiet fan unit for even distribution of steam into the room
- 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
- components easily accessible due to removable cover
- mounting material

Optional

- CylinderStar for longer life expectancy of the electrodes in highly conductive water
- Timer controlled stub flushing
- Cylinder rinsing system for significant increase of cylinder standing times through increased removal of scale
- 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 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

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 MiniSteam (Basic or Comfort)

Accessories

Drain hose
Length m