

reflex

Thinking solutions.

Servitec Mini

Vacuum spray-tube degassing for small and medium-sized systems

With easy
app*
control!

→ Reliable and permanent degassing system with app control

→ Long-term system safety thanks to excellent water quality

→ Save up to 10.6% energy and optimise heat transfer

* With **Reflex Control Smart**, the Servitec Mini can now be operated via smartphone: quick and easy commissioning, parameterization of degassing mode (continuous or interval degassing, idle mode, number of cycles inc. weekdays and time), maintaining and troubleshooting assistant, display of system pressure, software updates for system control, display of fault messages.

Learn more at: www.servitec-mini.com

Reflex Winkelmann GmbH • Gersteinstraße 19 • 59227 Ahlen, Germany • +49 2382 7069-0 • info@reflex.de

Servitec Mini

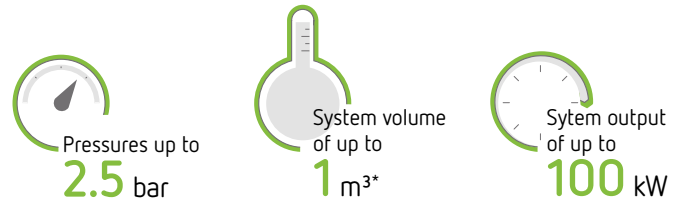


Thinking solutions.

Vacuum spray-tube degassing for small and medium-sized systems

Scope of application

- Small and medium-sized systems such as family houses and apartment blocks, schools, public facilities or in small businesses
- Extremely simple and cost-effective plug and play system to optimize primary circulation upstream of heat generators using heat exchangers
- Decentralised degassing system for problematic strands
- Commissioning of panel heating and cooling system as an innovative replacement for costly rinsing at high pressure to remove air and gas pockets



Background

The influence of water quality has a huge impact on the operating behaviour of water heating and cooling systems. Only systems that are running to the best of their capacity function efficiently and economically. With its high level of efficiency when it comes to degassing the system water, the Reflex Servitec Mini makes a significant contribution in this regard as the hydraulic balancing is perfected. This results in optimised system hydraulics with a gas-free heat transfer medium for efficient heat transfer as well as a longer service life of the heating and cooling system. There is no need for an expensive decentralised ventilation.

Automatic water make-up can be realised independently by using Reflex Fillcontrol Plus Compact.

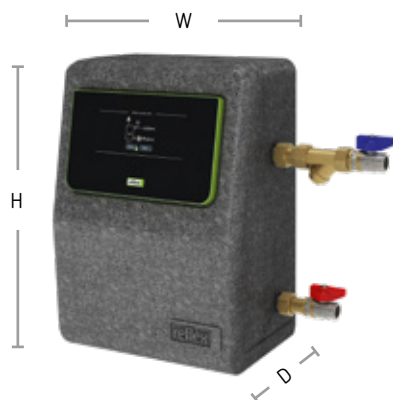
How it works

A vacuum spray tube is used to de-gas system water.

1. Gas rich system water is sprayed through a nozzle into the spray pipe.
2. A pump sucks the water out of the spray tube and pumps it back into the system.
3. The configuration ensures that the pump extracts more water from the pipe than can flow in through the nozzle. This creates a vacuum in the spray pipe, which causes the degassing effect.
4. When the pump is turned off, water flows into the spray pipe and pushes the extracted gas out through the automatic air vent.

The medium, which is now undersaturated, is able to absorb new gases from the system once again, thereby steadily reducing the gas concentration in the entire facility network.

Technical Features



- Max. operating pressure: 4 bar
- Operating pressure: 0.5 to 2.5 bar
- Max. operating temperature: 60 °C
- Max. ambient temperature: 0 to 45 °C
- Power supply: 230 V / 50 Hz
- Electr. power consumption: 0.06 kW
- Nominal current: < 0.3 A
- Connections: G ½"
- System volume VA: 1 m³*

Type	Art. No.	PU	Material group	Height H [mm]	Width W [mm]	Depth D [mm]	System volume VA [m³]	Operating pressure [bar]	Weight [kg]
2.5 bar 60°C Mini	8835800	1	28	420	295	220	1.0	0.5-2.5	5.60

* The value applies to the pure water content of the heating surfaces and distribution pipes and can be supplemented by a buffer tank of up to 1,000 litres.