

# Reflex Reflexomat Silent Compact RSC 500, compressor controlled pressurisation station, grey, 6 bar



Thinking solutions.

Article number: 8800500



## Features

Type	RSC 500
Colour	grey
Nominal volume	500 l
Max. useful volume	450 l
Max. permissible system temperature	120 °C
Max. perm. operating temperature	70 °C
Max. perm. operating pressure	6 bar
Max. sound pressure level	59 dB(A)
Degree of protection	IP 54
Connection	G1"
Electric connection	230V/50Hz
Height	1741 mm
Max. electrical rated power	0,75 kW
Diameter	740 mm
Weight	93,00 kg
High water connection	120 mm
Tilt dimension approx.	1839 mm

## Description

### Reflexomat RS control unit

Pneumatic and control module for compressor-controlled Reflexomat pressurisation station for pressurisation and for make-up water control in sealed heating and chilled water systems. Constructed in compliance with DIN EN 12828 and the requirements of VDI 4708, with CE marking. Suitable for use in noise-sensitive areas.

The function unit comprises a floor-standing expansion vessel, constructed in accordance with DIN EN 13831 and directive EU 2014/68/EU (EU-PED) with CE Marking, plus an attached control unit comprising pneumatic system and vertical, easy-to-operate Reflex Control Basic control and operating unit. In the pneumatic part, pressurisation is implemented using a compressed air compressor in conjunction with a compressed air solenoid valve as an overflow device. Expansion vessel:

- Floor-standing design with feet including transducer for vessel content measurement
- System connection with integrated compensator
- Diaphragm
- Air-side inner chamber
- Exterior fully plastic-coated

A safety relief valve is included to act as a pressure safeguard for the RG primary tank or RF secondary tank. The system pressure is measured with an electronic sensor.

In the pneumatic part, the pressurisation is implemented using one compressed air compressor in conjunction with a compressed air solenoid valve as an overflow device. The system pressure is measured using an electronic sensor. Pneumatic part comprising:

- Compressed air compressor
- Type-tested air solenoid valve
- Type-tested safety valve, for pressure protection of the diaphragm expansion tank
- Electronic pressure sensor
- corresponding connection lines

The Control Basic control unit is integrated in a robust plastic housing in which both the power and communication electronics and the control panel with dirt-resistant membrane-covered keyboard is housed. Control Basic is a fully automatic, freely configurable microprocessor control with real-time clock, differentiating error and parameter memory, two line plain text display for system pressure, tank filling level and all relevant operating and fault messages, LED display for operating modes and general error messaging. Communication electronics comprising:

- RS 485 port as data interface or for the connection of optional communication components
- Potential-free output for the forwarding of the collective message
- Digital input for signal processing of a contact water meter

- 230V output for connection of level-dependent makeup/degassing stations

Control unit completely assembled and ready for connection wired according to VDE regulations, mains power cable and mains plug.

Functioning of the pressurisation in the limits +/- 0.1 bar including compressor monitoring. Controlled make-up, automatic interruption and fault message upon exceeding of the runtime and/or the number of cycles. Evaluation option provided by a contact water meter including optional possible capacity monitoring of ion exchangers in the make-up pipe. Documentation and control of the entire system in respect of the above mentioned parameters.

