

Reflexomat Silent Compact RSC 300, compressor controlled pressurisation station, grey, 6 bar

Article number: 8810810



Features

Type	RSC 300
Colour	grey
Nominal volume	300 l
Max. useful volume	270 l
Max. permissible system temperature	110 °C
Max. perm. operating temperature	70 °C
Max. perm. operating pressure	6 bar
Max. p ₀ setting	5.0 bar
Max. sound pressure level	59 dB(A)
Type of protection	IP 54
Connection	G1"
Electric connection	230V/50Hz
Max. electrical rated power	0.80 kW
##### #p#### #p##### Q	2000 kW
##### #p#### #p##### Q	4000 kW
Diameter	634 mm
Height	1538 mm
High water connection	133 mm
Weight	71.90 kg

Description

Reflexomat

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. 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
- Bladder
- Air-side inner chamber
- Exterior fully plastic-coated

A safety valve is provided to relieve pressure in the RG or RF secondary vessel to be connected. System pressure is measured by means of an electronic sensor. In the pneumatic section, pressure maintenance is achieved by means of a compressed air compressor in conjunction with a pneumatic solenoid valve acting as an overflow device. The system pressure is measured by an electronic sensor. Pneumatic section comprising:

- compressed air compressor
- component-tested pneumatic solenoid valve
- component-tested safety valve for pressure relief of the membrane expansion vessel
- electronic pressure sensor
- appropriate connecting pipes

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

Reflexomat Silent Compact RSC 300, compressor controlled pressurisation station, grey, 6 bar

Article number: 8810810



- 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.