

Reflex Reflexomat control unit RS 90/1 mounted + RG 600/6 with Reflexomat primary vessel



Features

Type	RS 90/1 mounted + RG 600/6
Colour	grey
Nominal volume	600 l
Max. useful volume	540 l
Max. permissible system temperature	120 °C
max. perm. operating temperature	70 °C
max. perm. operating pressure	6 bar
Max. sound pressure level	72 dB(A)
Degree of protection	IP 54
Connection	G1"
Electric connection	230V/50Hz
Height	2202 mm
Max. electrical rated power	0.75 kW
Diameter	740 mm
Weight	100.00 kg
High water connection	177 mm

Description

Factory assembled unit consisting of:

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.

Constructed in compliance with DIN EN 12828 and the requirements of VDI 4708, with CE marking.

Control unit comprising a pneumatic part and a Control Basic operating unit. Both are installed ergonomically and in a maintenance-friendly manner on an installation bracket and prepared for tank installation. 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.

Reflex Reflexomat RG

Diaphragm expansion vessel for Reflexomat compressor-controlled pressure maintenance station for sealed heating and cooling systems. Approval according to the EU Pressure Equipment Directive 2014/68/EU. Built according to DIN EN 13831 and VDI 4708 or AD 2000.

- Floor-standing with foot structure
- Replaceable full diaphragm - compliant with DIN EN 13831
- Plastic-coated inside and outside
- Vessel protection via individually tested air safety-valve (SV)
- including welded side socket for connection of a bladder rupture detector
- basic vessels RG incl. transducer for level sensing

Note:

No licence requirement according to SWKI HE301-01 and SVTI for (PSV * VN ≤ 3,000 bar * litre).

