

Reflexomat control unit RS mounted for Reflexomat pressurisation units

Article number: 8881100



Features

Type	RS mounted
Control unit	For tank installation
Max. perm. operating temperature	90 °C
Max. sound pressure level	72 dB(A)
Type of protection	IP 54
Electric connection	230V/50Hz
Height	415 mm
Width	395 mm
Depth	520 mm
Weight	15.00 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. 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. In the pneumatic part, the pressurisation is implemented by external compressed air injection in connection with a compressed air solenoid valve as an overflow device. 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.

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.