

**Reflexomat RS 90/1 control unit,
for Basic vessel up to RG 600
Article-No.:8880111**



Reflexomat RS 90/1 control unit,
for single compressor pressurization
units with auxiliary possibility of
monitored automatic water make-up for
central heating and chilled water
systems.

The device is built according to EN 12828
and is provided with the EC marking.

Construction:

Unit existing of a pneumatic part and a
Reflex Control Basic operating unit.

Both are incorporated in a floor standing
modular frame in an ergonomic way allowing
easy maintainance.

The pneumatic part of the pressurization
unit is provided with an oil free air
compressor in conjunction with a solenoid
valve as an air discharge.

The system pressure is measured by
way of an electronic pressure sensor.

Pneumatics:

- oil-free air compressor
- TÜV component-approved solenoid air
discharge valve
- electronic pressure sensor
- pneumatic connecting hoses

The control unit is delivered fully
assembled and provided with a 2 metre
long cable and plug for connection with
the electric mains.

The Reflex Control Basic is integrated
in a sturdy pre wired plastic cabinet
which has IP 54 protection class and
in which all electric and electronic
components are integrated. The
control panel is consisting of a display
and a membrane keyboard which is insensi-
tive to dirt.

The Control Basic is a fully automatic
freely programmable microprocessor
control unit. On the two-line LCD screen,
operation mode, failures, expansion vessel
water content and system pressure are
indicated in plain text. (16 language
display).

Also two function-LED indicate the
unit to be in automatic mode and mal-
function. The control features a
parameter- and error memory. This way
it is possible to display in chrono-
logical order the last 20 error
messages with indication of date and
time.

The control as standard is provided with:

- RS 485 Interface
for transfer of complete operation infor-
mation to a BMS e.g. by use of a bus
module or for data exchange between
multiple Reflex control units
- a volt free output for common fault
message.
- an input terminal for evaluation of a
contact water meter pulse

Function:

The control is reading the system
pressure via a pressure transducer and
is keeping the pressure within close
tolerance limits of +/- 0.1 bar.

The control is provided with a 230 V
output offering the possibility to
activate an external water make-up
system. When the water make-up is
activated, error message will be
triggered if the water make-up
cycle goes over a time limit and/or
if the number of make-up cycles is
exceeded over a given period. This
will result in an error message in
both cases and interruption.

Documentation and monitoring of the
connected HVAC-system with respect to
the above-mentioned parameters.

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Merkmale

Type: RS 90/1 aufgesetzt
Compressor assembly: am Gefäß
Sound level: < 72 dB(A)
Power supply: 230V/50Hz V/Hz
Height/width/depth: 415/395/520 mm
Weight control box/compressor: 21 kg



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