

**Reflexomat RS 150/1 control unit,
for Reflexomat pressurization unit
Article-No.:8880311**



Reflexomat RS -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 Touch 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.

The Reflex Control Touch operating unit

is designed as a control panel featuring
a TFT colour display which is integrated
in a sturdy plastic cabinet (IP 54
protection class). As standard directly
mounted on the hydraulic unit but is
offering the optional possibility for
wall mounting.

Communication facilities consisting of:

- 4.3" resistive colour touchscreen,
- two RS485 interface provisions for
data exchange and BMS connection,
- TTL serial interface with two
terminals for simultaneous operation
of two Reflex IO-Modules,
- voltage-free output for common fault
signalling,
- two electrically isolated analog
outputs for system pressure and water
content of the expansion vessel,
- slots for Bluetooth module,
KNX bus module, HMS Network module and
SD card e.g. for software updates, data
saving etc.,
- input terminal for the evaluation of a
contact water meter pulse.

The power electronics are installed
in a dedicated cabinet which is
mounted on the panel console.

Featuring in detail:

- Main power switch on the cabinet exter-
ior,
- Compressor control,
- Facilities for wiring arrangement and

easily made connection,
-Available space for additional modules.

Control Touch is a fully automatic
and freely programmable microprocessor
control with touchscreen operation.
Displayed on a functional diagram are
the active operating mode, common alarm,
low water level, functioning of compressor,
air discharge valve and make-up valve.
Combined graphical and plain text
indications for system pressure, content
of the expansion vessel and all relevant
operating and error messages.
The control features a parameter
and error memory. This way the last 20
error messages can be chronologically
displayed with indication of date and
time of occurrence.

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 150/1
Compressor assembly: nebenstehend
Sound level: < 72 dB(A)
Power supply: 400 V/50 Hz V/Hz
Height/width/depth: 920/480/490 mm
Weight control box/compressor: 45 kg



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