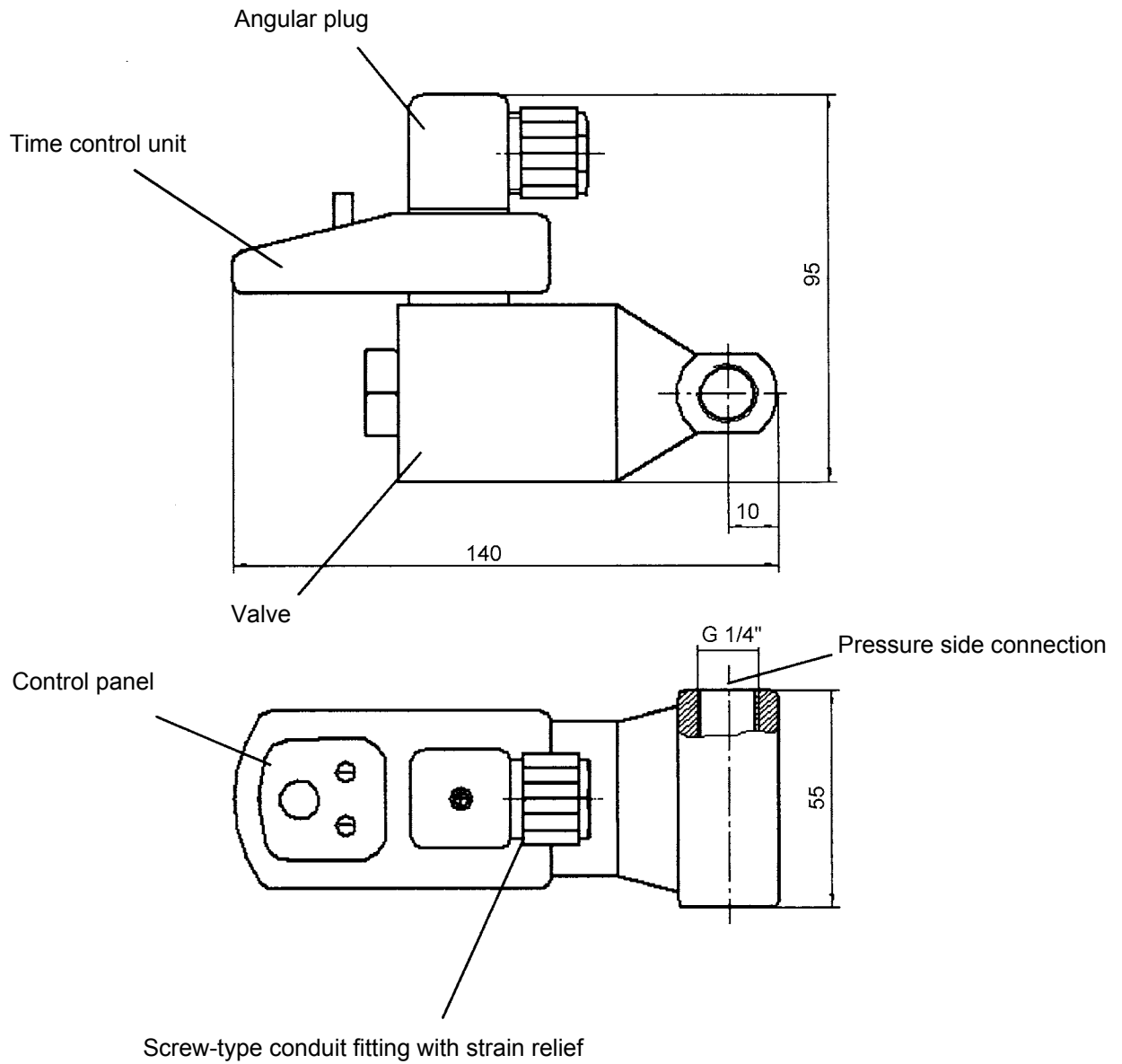


**Time controlled condensate drain unit**

# **UFZ PN 60**

# Operation Manual

## ultramatic UFZ



# Operation Manual

## Important hints

- Ensure that the voltage rating and current type of the connected solenoid valve coincide with the specifications of the power source used.
- Before carrying out maintenance, repair or adjustment work, ensure that the System is not pressurized and no voltage is applied.
- UFZ units are designed to drain condensed moisture from compressed air and pressurized inert gas Systems.
- Do not use UFZ units in areas exposed to sub-zero temperatures.

## Characteristics / Benefits

- Reliable drainage of Condensed moisture
- No maintenance requirement
- Pure oil draining capability
- Compact design allows easy Installation at any condensate collection point
- Easy installation
- Individually selectable ON/ OFF times

## Product description

UFZ time-controlled condensate drain units combine a solenoid valve with a programmable timer system. The time control supplies the pulses controlling the solenoid opening and closing. It can be set to individual Off-times intervals (from 0,5 to 45 min.). It also allows a fine-adjustment of the opening and closing times (from 0,5 to 10 sec.). This adapts the UFZ unit to the condensate volumes encountered in the specific application.

The basic factory setting of the time control (refer to technical specifications) provides for a condensate drain capacity of approx. 5 liters/ h at an operating pressure (gauge pressure) of 7 bars.

## Installation

- Pressure side and drain side connection via G 1/4" screw thread.

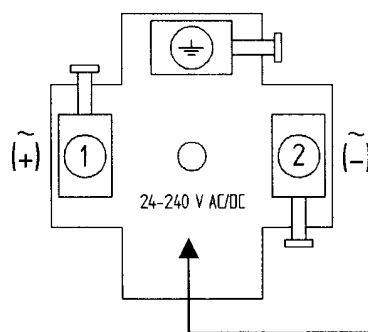
## Installation instructions

- Install a separate drain unit at every condensate collecting point.
- Provide a condensate inlet line with a suitable gradient to prevent the formation of an air pocket.
- Make sure that the condensate drain unit is fitted at the lowest point of your filter, drier, air tank or piping system.

## Electrical connections

1. Remove the cover of the angle plug.
2. Connect terminals as shown in the wiring diagram using wires of no more than 1.5 mm<sup>2</sup> in cross section.
3. Tighten the screw-type conduit fitting with strain relief.
4. Refit the cover and tighten the bolts. Check that the cover gasket is properly in place (IP 65).

## Wiring diagram:

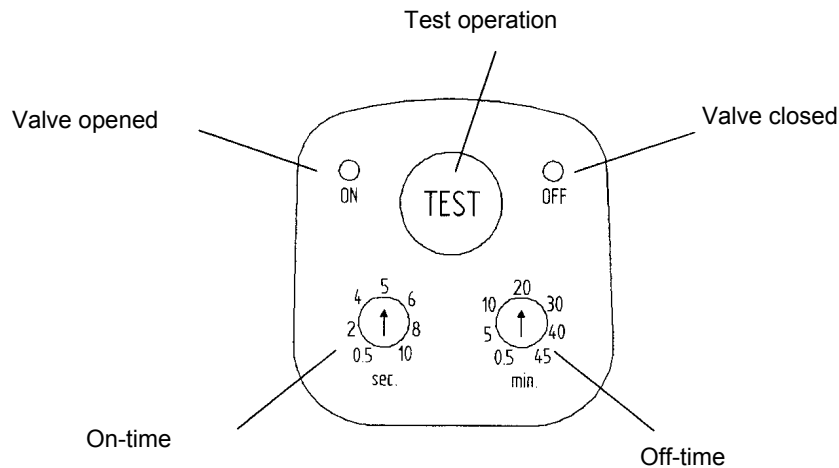


### Hint:

This statement refers to possibility of connection for the time control!  
Connection of the valve please separately heeds!

# Operation Manual

## Control panel time control



## Specifications

### Valve

- Nominal diameter:  $\varnothing$  2mm
- Pressure range at 50 Hz: 0 - 60 bar (Gas)  
0 - 35 bar (Flüssigkeiten)
- max. condensate temperature: 90°C
- Ambient temperature: 1 - 55°C
- Flow rate (min. - max.): 0,005 to 315 liters/ h (water, 20°C, 7 bars)  
Depending on timer settings
- Gasket material: FPM

### Elektronic circuitry

- Voltage valve: 230 V/ 50 - 60 Hz
- Voltage time control: 24 - 240 V AC/ DC
- Protection class: IP 65
- Power consumption: 10 VA (Operation)

### Actuating times

- On-time ( $t_i$ ): steplessly variable from 0,5 - 10 sec.
- Off-time ( $t_p$ ): steplessly variable from 0,5 - 45 min.

### Factory setting times

- On-time ( $t_i$ ): 0,5 sec.
- Off-time ( $t_p$ ): 0,5 min.

### Scope of supply

- Valve
- Time control unit
- Operation manual





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