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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL V5032. You'll find the answers to all your questions on the HONEYWELL V5032 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL V5032
User guide HONEYWELL V5032
Operating instructions HONEYWELL V5032
Instructions for use HONEYWELL V5032
Instruction manual HONEYWELL V5032

Honeywell

V5032
Kombi-2-plus
 DOUBLE-REGULATING BALANCING VALVE




PRODUCT DATA
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Application

The hydronic balance is a significant requirement for the efficient operation of a hydronic heating or cooling installation. In an unbalanced system under or over provision of hot water to individual radiators or circuits can occur. Apart from the correct selection of radiator valves, regulation of individual circuits is also necessary and in some cases, such as in DIN 18 380, VOB part G, required by national standards. This requirement is met with V5032 Kombi-2-plus double-regulating balancing valves.

The V5032 Kombi-2-plus is a variable orifice double-regulating balancing valve for the return with additional functions shutoff, draining and filling.

Together with a V5012 Kombi-DP diaphragm unit the V5032 Kombi-2-plus can be upgraded to an automatic balancing valve - even after the system has been taken into commission and under system pressure.

Features

- Dimensions DN15 to DN40 can be retrofitted with a Kombi-Diaphragm Unit
- High accuracy of the pre-setting because of individual adjustment
- Robust valve body made of corrosion resistant red bronze
- Available in sizes up to DN80
- Visible pre-setting dial with concealed pre-setting wheel
- Maintenance free spindle with double O-ring sealings
- PTFE seat sealing

Design

The V5032 Kombi-2-plus valve consists of:

- Valve body with pressure test cocks and internal threads DN10, DN20 to DN2509 (ISO7) for threaded pipe or copper and precision steel pipe 10...20 mm (see Accessories), or
- Valve body DN25, DN80 with pressure test cocks and internal threads to DIN2999 (ISO7) for threaded pipe
- Valve insert with handwheel
- Pre-setting dial and display

Materials

- Valve housing made of red bronze
- Valve insert and pressure test cocks made of brass with seat sealing made of PTFE
- O-rings and soft seals made of EPDM
- Handwheel, pre-setting dial and display made of plastic, blue and black

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Manual abstract:

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The kv-value is the flow m through a valve in $[m^3/h]$ at a differential pressure of 1 bar (14,5 psi) and is only valid for fluids with a density of $\rho = 1000 \text{ kg/m}^3$.
This condition is met by water at a temperature of 20°C (68°F). For fluids with another density the following formula can be applied: $K_v \text{ Medium} =$
Correction Factor $f \times m \times \rho \text{ Medium} / \rho$ When the density is expressed in t/m^3 instead of kg/m^3 the correction factor f is the result.

The correction factor f can be used to re-calculate kv-value, pressure drop and flow: $K_v \text{ Medium} = K_v \times \sqrt{f}$ $p \text{ Medium} = p_0 \times f$ Table 1. @Antifrogen N
Propylen glycol e.g. @Subject to change · All rights reserved.



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