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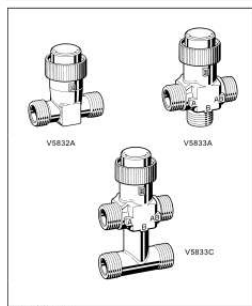
You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL V5833C. You'll find the answers to all your questions on the HONEYWELL V5833C in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL V5833C  
User guide HONEYWELL V5833C  
Operating instructions HONEYWELL V5833C  
Instructions for use HONEYWELL V5833C  
Instruction manual HONEYWELL V5833C

**Honeywell**

## V5832A/5833A,C SMALL LINEAR VALVES PN16 FOR MODULATING AND ON/OFF-CONTROL

**SPECIFICATION DATA**



**FEATURES**

- Small size allows installation where space is limited
- Long stroke results in a high quality characteristic
- Soft seat provides low leakage rate and high rangeability
- Reduced  $Kvs$  values in the bypass to facilitate hydraulic balancing
- Range of fittings available for different connections (soldered, threaded)
- Adjustment cap for manual operation
- Flat surfaces on body to fit installation tools
- Flat sealing connections in standard sizes
- Valve inserts changeable without draining by using insert replacement tool WV 108
- 40 mm distance between ports A/AB and the bypass (V5833C, only)

**SPECIFICATIONS**

Models	Two-way V5832A Three-way V5833A Three-way with bypass V5833C
Operation	Two-way stem up to open, port A to B; Three-way stem up to close, port A to AB
Nominal pressure rating	PN16
Capacity index ( $Kvs$ )	see tables on page 2 and 3
Leakage rate	$\leq 0.02\%$ of $Kvs$
Valve body	Brass
Material	DN15 (1/2"), DN20 (3/4")
Size	
Trim	
Stem	Stainless steel
Plug	Brass
Suitable medium	Water, with max. 50% glycol
Controlled water temperature	2...120 °C

**GENERAL**

These small linear valves are used in combination with small electric linear valve actuators and thermoelectric actuators for the control of hot and/or chilled water for fan coil units and small reheaters/recoolers in electric/electronic temperature control systems.

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EN08-03000E51 R1002



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**Manual abstract:**

All rights reserved EN0B-0308GE51 R1002 V5832A/V5833A,C SMALL LINEAR VALVES PN16 Modulating valves Rangeability Two-way valves Three-way valves Flow characteristic Stroke On/Off valves Stroke Dimensions 100:1 100:1 for controlled port Equal percentage port A-AB, linear for bypass port B-AB 6.5 mm 2.5 mm see Fig. 4 on page 5 FLOW CAPACITIES AND CLOSE OFF PRESSURE RATINGS TWO-WAY VALVES Valve DN 15 15 15 15 15 15 20 15 20 kVS 0.16 Order number Close-Off Pressure (kPa) with Actuators M6410C,L/M7410C,E (180 N) 1600 1600 1600 1600 1200 1200 400 400 1200 400 M4450/M8450 (90 N) 600 600 600 600 180 180 50\* 50\* 180 50\* Z100/M7410A (90 N) 180 50\* V5832A1004 V5832A1012 V5832A1020 V5832A1038 V5832A1046 V5832A1053 V5832A1061 V5832A1079 V5832A4008\*\* 2.50 V5832A4016\*\* \*Up to 1000kPa system pressure. \*\*For on/off control, stroke 2.5mm. THREE-WAY VALVES Valve DN 15 15 15 15 15 20 20 20 15 20 kVS A-AB 0.25 0.

40 0.63 1.00 1.60 2.50 2.  
50 4.00 4.00 1.60 2.50 kVS B-AB 0.  
16 0.25 0.40 0.63 1.00 1.60 1.60 2.50 2.50 1.60 2.

50 Order Number V5833A1003 V5833A1011 V5833A1029 V5833A1037 V5833A1045 V5833A1052 V5833A3009 V5833A1060 V5833A3017 V5833A4007\* V5833A4015\* Close-Off Pressure (kPa) with Actuators M6410C,L/M7410C,E (180 N) 800 800 800 250 250 100 240 100 240 250 100 M4450/M8450 (90 N) 500 500 500 150 150 50 50 150 50 Z100/M7410A (90 N) 150 50 \*For on/off control, stroke 2.5mm. EN0B-0308GE51 R1002 2 V5832A/V5833A,C SMALL LINEAR VALVES PN16 THREE-WAY VALVES WITH BYPASS kVS A-AB 0.25 0.40 0.63 1.00 1.60 2.50 2.50 4.

00 4.00 1.60 2.50 Valve kVS B-AB 0.16 0.  
25 0.40 0.63 1.00 1.60 1.

60 2.50 2.50 1.60 2.50 Close-Off Pressure (kPa) with Actuators Order Number V5833C1066 V5833C1009 V5833C1017 V5833C1025 V5833C1033 V5833C1041 V5833C1140 V5833C1058 V5833C1152 V5833C4003\* V5833C4011\* M6410C,L/M7410C,E (180 N) 800 800 800 250 250 100 240 100 240 250 100 M4450/M8450 (90 N) 500 500 500 150 150 50 50 150 50 Z100/M7410A (90 N) 150 50 DN 15 15 15 15 20 20 20 15 20 \*For on/off control, stroke 2.5mm. OPERATION A built-in return spring in the two-way valve produces an opening force. In the three-way valve and the three-way valve with bypass, the spring produces a closing force on the A to AB ports. The valves are supplied with a screwed-on adjustment cap for manual operation and for protection of the stem. This allows the stem to be set up for filling or initial heating/cooling during the building construction phase without the use of a controller or actuator.

@@@2. @@@1. Two-way valve operation Fig. 3. @The valve must not be mounted with the stem pointing downward. @@@The valve is supplied complete with mounting instructions. @@@@5 Str ok e\* 6.5 Stroke\* M30x1.5 18 Allow 130mm for the actuator and clearance for removal aa bb c dd DN15 G1/2A 24.5 34 DN15 56 56 G1/2A 34 DN20 84 DN20 66 66 11/8" x 14 BS 33 33 G3/4A 33 c a Three-way valve with bypass 6. 5 Str ok e\* 6.5 Stroke\* M30x1.5 18 Allow 130mm for the actuator and clearance for removal aa DN15 56 DN15 56 DN20 66 DN20 66 bb c c dd G1/2A 34 G1/2A 40 4034 33 11/8" x 14 BS 84 40 33 G3/4A 40 \* Modulating valves, only (in the case of on/off valves, the stroke amounts to 2.5 mm and the closure distance to 14 mm). Fig.

4. Dimensions V5832A/V5833A,C in mm 5 EN0B-0308GE51 R1002 V5832A/V5833A,C SMALL LINEAR VALVE PN16 SPARE PARTS Valve inserts are provided as spare parts for the V5832A and V5833A,C small linear valves. When the tool WV 108 is used, the valve inserts can be changed without draining the system. @@.



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