



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL V4044C. You'll find the answers to all your questions on the HONEYWELL V4044C in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL V4044C  
User guide HONEYWELL V4044C  
Operating instructions HONEYWELL V4044C  
Instructions for use HONEYWELL V4044C  
Instruction manual HONEYWELL V4044C

**Honeywell**

## V4044C, V4044F Motorized Zone Valves 3-PORT HYDRONIC VALVES

PRODUCT DATA



### Application

Honeywell V4044C and F 3-port hydronic valves are used in domestic and small commercial heating and cooling applications to control the flow of hot or cold water. They are designed for on-off zone control of domestic systems and can be used to control individual fan coil, radiator, space heater or convector applications. They can be controlled by a line voltage SPST controller such as a room thermostat, aquastat or flow switch. The actuator head is removable without affecting the integrity of the water system.

### Features

- Rugged design
- Control by a line voltage SPST controller
- Actuator head installation does not require draining of the system
- High flow rate capacity
- Indifferent to dirt in system

### Specifications

<b>Medium</b>	Water or water-glycol mixture (max. 50% glycol content), quality to VDI 2035
<b>pH-value</b>	8...9.5
<b>Operating temperature</b>	5...88°C (41...190°F)
<b>Ambient temperature</b>	max. 50°C (122°F)
<b>Operating pressure</b>	max. 8.6 bar (125 psi) static
<b>Differential pressure</b>	see chapter "Dimensions" below
<b>K<sub>v</sub> [cvt]-values</b>	see chapter "Dimensions" below
<b>Flow</b>	AB → A or B
<b>Starting position</b>	port A normally closed
<b>Voltage</b>	220-240V, 50Hz
<b>Power consumption</b>	6W / 0.042A
<b>Auxiliary switch rating</b>	2.2A at 230Vac, 50Hz
<b>Nominal timing</b>	On: 30 seconds under power Off: 12 seconds under spring return
<b>Electrical termination</b>	1m flying lead, heat resistant cable
<b>Shipping temperature</b>	-40...65°C (-40...149°F)
<b>Humidity rating</b>	5...95% RH (non-condensing)
<b>Atmosphere</b>	non-corrosive, non-explosive

### Design

- V4044C and V4044F zone valves consist of:
- 3-way valve housing with BSPP internal threads
  - Control ball assembly
  - Actuator assembly with cable
  - V4044F1000 with SPDT end switch
  - V4044F1034 with SPST end switch

### Materials

- Valve housing made of forged brass
- Spindle shaft made of brass
- O-ring seals made of EPDM rubber
- Ball plug made of NBR rubber
- Actuator cover and base made of zinc-plated steel

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ENOH-0325GE25 R0906



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**Manual abstract:**

The actuator head is removable without affecting the integrity of the water system. Features · Rugged design · Control by a line voltage SPST controller · Actuator head installation does not require draining of the system · High flow rate capacity · Indifferent to dirt in system Specifications Design V4044C and V4044F zone valves consist of: · 3-way valve housing with BSPP internal threads · Control ball assembly · Actuator assembly with cable · V4044F1000 with SPDT end switch · V4044F1034 with SPST end switch Medium Water or water-glycol mixture (max. @ 50°C (122°F) max. @ They consist of an actuator and a valve. @ When the actuator is de-energized, a spring-return mechanism drives the ball to close port A, opening port B. Port A can also be opened with no electrical power by moving the manual opening lever over the stop and pushing slowly and firmly to the MAN. OPEN position. @ @ @ A power failure will leave the valve at the spring-returned position. @ @ 1. @ @ 2.

V4044C/F in deenergized position (AB-B) Wiring Fig. 3. Wiring diagram for V4044C Fig. 4. Wiring diagram for V4044F1034 Table 1.

Cable colour coding Fig. 5. @ @ @ @ @ @ It is equipped with a 6-wire cable (line, neutral, earth, end switch NO, end switch NC) The length of all cables is 1m EN0H-0325GE25 R0906 2 Honeywell · All rights reserved V4044C, V4044F Dimensions Fig. 6. V4044C, V4044F 3-way zone valve Table 2.

Main dimensions and other values Body 1/2" BSPP (internal) 3/4" BSPP (internal) 1" BSPP (internal) 3/4" BSPP (internal) 1" BSPP (internal) kvs-value 3.0 6.0 8.1 6.0 8.1 max. @ @ Order information and OS-Nos. @ @ @ @ Only one installation and operating instruction is supplied with the bulk pack. Honeywell · All rights reserved 3 EN0H-0325GE25 R0906 V4044C, V4044F ACS Control Products Honeywell GmbH Hardhofweg 74821 Mosbach, Germany Phone: +49 (6261) 810 Fax: +49 (6261) 81393 www.honeywell.

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