



R276B

Description

The R276B zone valves are devices for intercepting the heating fluid which, driven by an actuator controlled by a thermostat or by a clock, allow for the subdivision of air conditioning systems in sectors which are similar from the point of view of room temperature control. The R276B 2-way zone valves are supplied with insulation and actuator, with the possibility for manual control.

Versions and product codes

Product code	Connections	Electrical power supply to actuator (code)
R276BX006	1 1/4" (DN32)	230 K272Y101V
R276BX026		24 K272Y102
R276BX007	1 1/2" (DN40)	230 K272Y101V
R276BX027		24 K272Y102
R276BX008	2" (DN50)	230 K272Y101V
R276BX028		24 K272Y102

Technical data

Valve

- Operating temperature range (valve + actuator): -5÷110 °C
- Nominal pressure (PN): 40 bar
- Maximum differential pressure: 16 bar
- Connections: F-F Gas ISO 228
- Actuator connection: ISO 5211 (F03 for R276BX006, R276BX026 - F05 for R276BX007, R276BX027, R276BX008, R276BX028)
- Compatible fluids: water, water and glycol (max. 50 %)

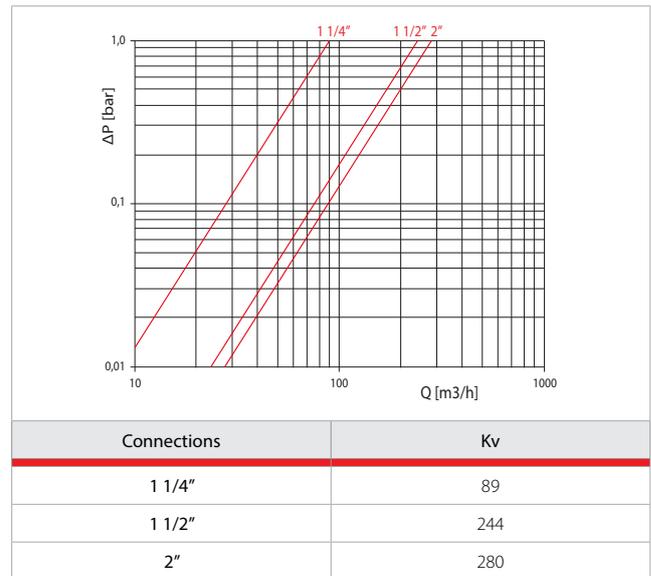
Materials

- Body, ball, command stem: brass CW617N
- Gaskets: FPM and PTFE
- Insulation: expanded crosslinked polyethylene

Actuator

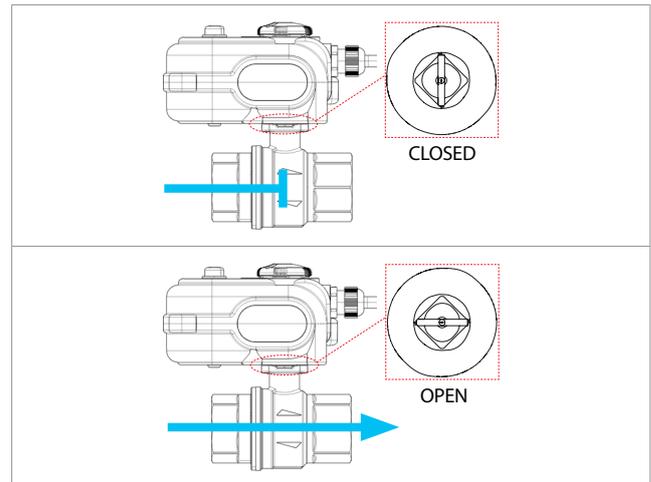
- Type of command: ON/OFF
- Rotation angle: 90°
- Opening time: 60 s
- Maximum torque: 18 Nm
- Electricity absorption: 6 W
- Auxiliary microswitch for end stop (contact flow rate): 6 (1) A
- Protection class: II
- Insulation class: IP65
- Ambient operating temperature range: -5÷55 °C
- Ambient humidity range: 95 %
- Storage temperature range: -20÷70 °C

Losses of pressure



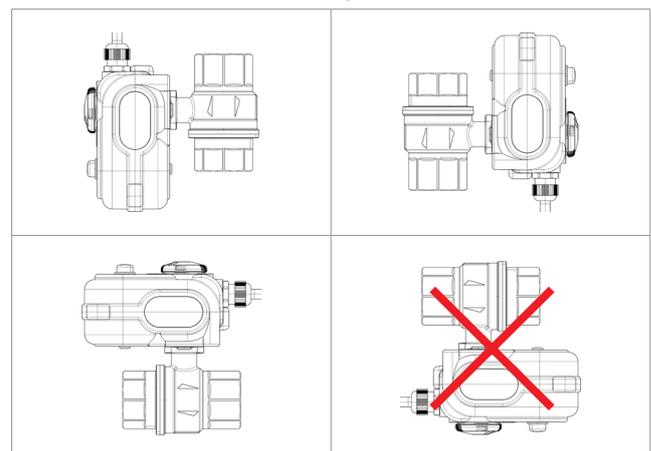
Operation

Position of the stem during opening or closing of the valve



Installation

The R276B valve must be assembled horizontally or vertically, with the cover facing upwards. It must be installed in a dry, protected place that can easily be accessed for any necessary maintenance work. Do not cover the actuator with insulating materials.





Manual command



To initiate the actuator manually, keep the red "A" button pressed down and turn the red "B" knob to the desired position.

Reference Standards

- EC mark
- Directive EMC 2014/30/EC
- Low Voltage Directive 2014/35/EC

Dimensions

Valve						Valve and actuator						Insulation						
G (DN)	Flange connection	A [mm]	I [mm]	B [mm]	J [mm]	S [mm]	H [mm]	W [mm]	B1 [mm]	J1 [mm]	A1 [mm]	S1 [mm]	X [mm]	Y [mm]	Ø	A2 [mm]	B2 [mm]	S2 [mm]
1 1/4" (DN32)	F03	110	52	83	50	65	50	9	163	130	157	76	36	9	M5	125	90	80
1 1/2" (DN40)	F05	120	59	102	62	80	55	10	182	142	157	76	50	11	M6	130	110	95
2" (DN50)	F05	140	68	117	69	96	70	10	197	149	157	76	50	11	M6	150	120	110

Product specifications

R276B

2-way zone valve with insulation and 24 V or 230V actuator depending on version, with the possibility of manual command. Body, ball, command stem in brass CW617N. Gaskets in FPM. Insulation in expanded crosslinked polyethylene. Operating temperature range (valve + actuator): -5÷110 °C. Nominal pressure (PN): 40 bar. Maximum differential pressure: 16 bar. Connections: F-F Gas ISO 228. Actuator connection: ISO 5211. Compatible fluids: water, water and glycol (max. 50 %). Type of command on actuator: ON/OFF. Opening time: 60 s. Actuator insulation class: IP65. Ambient operating temperature range for actuator: -5 ÷ 55 °C. Ambient humidity range for actuator: 95 %.

Additional information

For additional information please check the website www.giacomini.com or contact the technical service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ consulenza.prodotti@giacomini.com
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