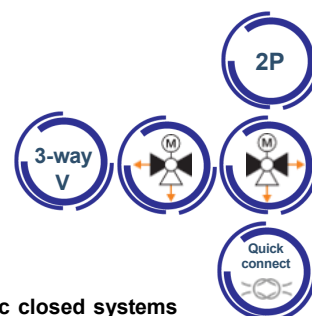


ZVQ 3000V-2P

3-way zone unit, valve with actuator



- Internal or external thread
- DN20 ÷ DN25
- 2-point control
- For diverting/changeover applications
- Quick and mistake-proofing assembly of the actuator
- Compact and robust structure
- Available with cable or Molex connector
- Available with or without manual control
- For domestic and commercial heating and cooling hydronic closed systems



ZVQ 3000V-2P is 3-way zone unit, suitable for diverting/changeover applications for use in heating and cooling systems. Units are suitable for long-term operation due to the special sealing construction of the valves and the compact and robust structure of the actuators. The low operating torque of the valve prevents the valve from blocking.

Zone valves ZVQ 3000V are motorized with actuators series AQ5-2P, controlled by a 2-point signal, making a compact unit with high regulating accuracy and easy installation with a quick system that allows for assembly and disassembly the actuator in a simple, rapid, and secure way.

Type overview*

units with AQ5 F00C-2P L actuator

Code	Type	DN	Pip connection	Kvs	Thread	Control signal	Running time	Voltage	Connection supply	Manual control	Ball port
30161	ZVQ 3120V F00C-2P	20	Rp 3/4"	9	Internal thread	2P	20s/90°	230VAC	Cable	No	L-L
30162	ZVQ 3125V F00C-2P	25	Rp 1"	14	Internal thread	2P	20s/90°	230VAC	Cable	No	L-L
30165	ZVQ 3220V F00C-2P	20	G 1"	9	External thread	2P	20s/90°	230VAC	Cable	No	L-L
30166	ZVQ 3225V F00C-2P	25	G 1 1/4"	14	External thread	2P	20s/90°	230VAC	Cable	No	L-L



*Valves can also be used in combination with other actuators from the AQ5 product range, for more information please see AQ5-2P/AQ5-3P actuators.

Technical data

Valve

Pipe connections	Rp internal thread (EN 10226-1), G external thread (ISO 228-1)
Nominal pressure	PN25
Max. diff. pressure	6 bar (max 2 bar for low noise operation)
Fluid temperature	-15 °C to +110 °C; (with actuator 2...90°C)
Fluid	Water, water with glycol up to 50 % vol. The water quality requirements specified in VDI 2035 must be adhered to
Max. leakage	Rate B according to: EN 12266-1:2003
Angle of rotation	90 °
Installation position	Upright to horizontal (related to stem)
Servicing	Maintenance-free. The installation of a strainer is recommended.
Material	
Valve body	Brass, CW617N
Ball	Chrome-plated brass
Seals	PTFE, EPDM Perox

Actuator AQ5 F00C-2P L

Control signal	2-point SPST
Supply voltage:	230VAC 50Hz
Running time	20s/90°
Power consumption	9 VA (operation), 7 VA (stand by relay on)
Connection supply	Cable 1m, 3x0,75 mm²
Direction and angle of rotation:	CW/CCW, 90°
Protection class	II
Degree of protection	IP44
Manual override	No
Position indication	Yes
Ambient temperature	0°C..+50°C
Storage temperature	-10°C..+70°C
Ambient humidity	Max. 80% RH, non-condensing
According to	EMC, LVD, EN 60730-2-14
Servicing	Maintenance-free

Product range of zone units



ZVQ 2000-2P
2-way zone unit



ZVQ 3000HL-2P
3-way zone unit L ball



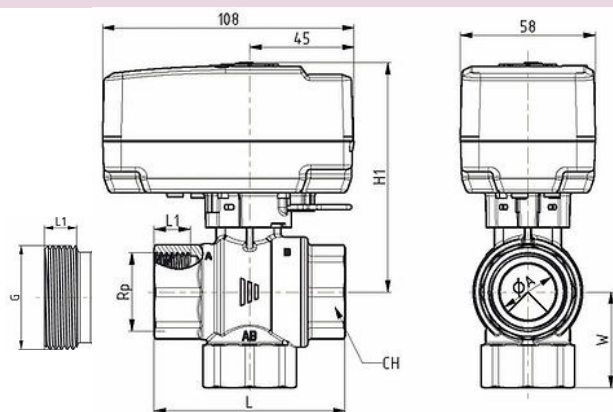
ZVQ 3000HT -2P
3-way zone unit T ball



ZVQ 3000V-2P
3-way zone unit L-L ball



Dimensions



Type	DN	Pipe connection	L (mm)	W (mm)	L1 (mm)	H1 (mm)	ØA (mm)	CH (mm)	Weight (kg)
ZVQ 3120V F00C-2P	20	Rp 3/4"	72	36	14	94	20	31	0,850
ZVQ 3125V F00C-2P	25	Rp 1"	82	41	17	98	25	38	1,080
ZVQ 3220V F00C-2P	20	G 1"	72	36	10	94	20	-	0,885
ZVQ 3225V F00C-2P	25	G 1 1/4"	82	41	13	98	25	-	1,150

Type code

ZVQ 2115

15=DN15 / 20=DN20 / 25=DN25
 1=internal thread / 2=external thread / 3=comp.fittings
 2=2-way / 3=3-way
 Q=quick connection for the actuator
 ZV=zone valve

AQ5 F00M-2P L

Valve position indication: L=3-wayHL, 3-wayV ; T=3-wayHT; not spec=2-way
 Control signal 2P=2-point, 3P=3-point, MC=Modulating
 Connection: M=Molex, C=Cable
 Manual control: 0=without manual control, 1=with manual control
 Voltage: 0=230VAC, 1=24VAC, 2=24VAC/DC
 Running time: F=20s/90°, G=40s/90°, H=55s/90°, I=110s/90°
 AQ5=Actuator with quick connection, max.torque 5 Nm

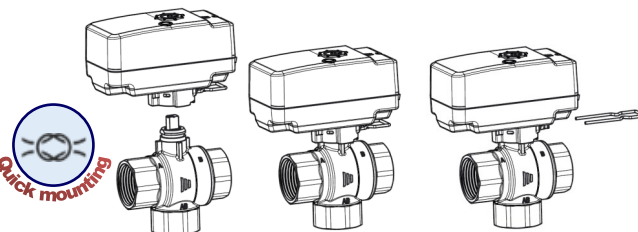
Product features

Quick mounting and installation position

- The actuator can be mounted on the valve without tool use, by moving the actuator by hand vertically.

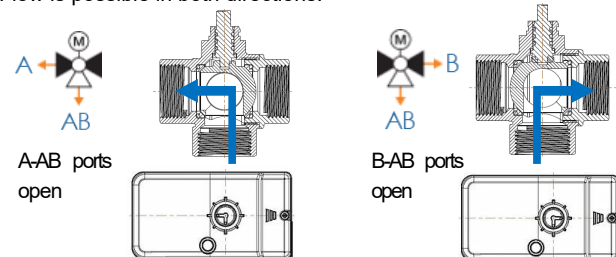
To remove the actuator from the valve, the metal pin must be pulled out.

- Only one position of assembling the actuator to the valve is possible, mistake-proofing assembly.



Flow direction

Flow is possible in both directions.



Wiring diagrams AC 230 V, diverting



Selection of rotary direction

The cover should be removed to access the settings (2-point version).



Features and options

Actuators can be customized to different customer needs:

- Available with Cable or Molex connector
- Available with or without manual control

