

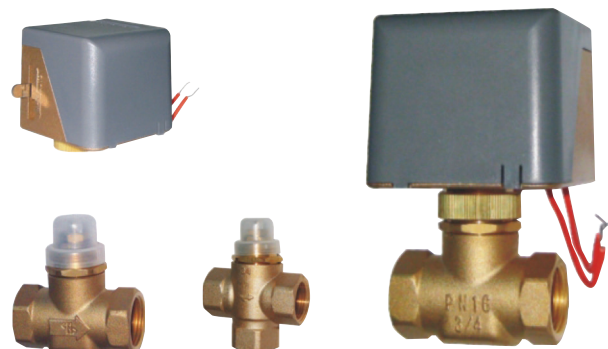


Description

The valve serie VZ coupled to the actuator serie SVZ is suitable for applications in heating, cooling and air conditioning systems of domestic and commercial areas and is typically used on fan coil and air handling units. The actuator can be mounted after valve body has been installed onto the system.

Technical specifications valve VZ

Medium	Hot and chilled water, water with up to 50% glycol
Fluid temperature	+2...+94°C
Nominal pressure	16 bar
Stroke	3,5 mm
Leakage	< 0,02% of KVs
Connection type	Female thread
Installation position	See drawing
Maintenance	Free
Valve body	Forged brass
Valve stem	Stainless steel 302
Sealing	NBR
Dimensions and weights	See schedule



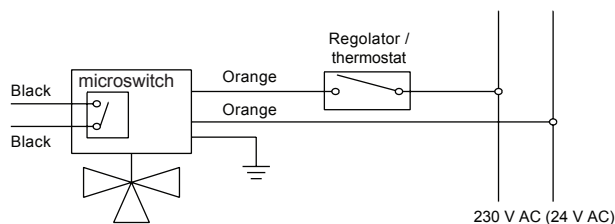
Models	Thread	Ways	KVs	Max. differential pressure (bar)
VZ215	G 1/2	2	2,5	2,5
VZ220	G 3/4	2	3,5	1,0
VZ225	G 1	2	4,0	0,6
VZ315	G 1/2	3	2,5	2,5
VZ320	G 3/4	3	3,5	1,0
VZ325	G 1	3	4,0	0,6

Technical specifications actuator SVZ

Power supply	230 V AC, 24 V AC 50-60 Hz
Power consumption	7 W
Control signal	On/Off, 2 points, spring return
Running time	Opening ≤ 10 s, closing ≤ 5 s
Materials	Aluminium base. Cover: ABS self-extinguishing
Protection degree	IP20
Protection class	II
Working range °C	0...+60°C
Working range RH	5...95% RH, non-condensing
Standards	CE-conformity, RoHs

Models	Power supply	Auxiliary switch
SVZ230	230 V AC	-
SVZ230C	230 V AC	•
SVZ24	24 V AC ±10%	-
SVZ24C	24 V AC ±10%	•

Electrical wirings



Installation

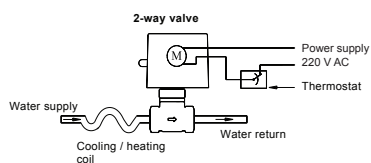


fig. 1

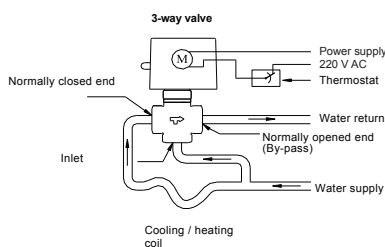


fig. 2

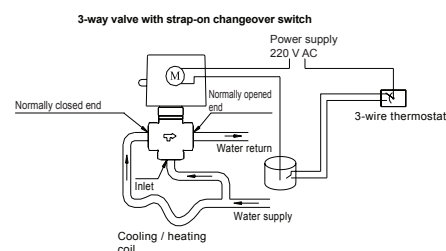


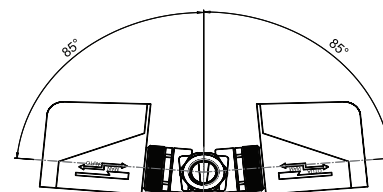
fig. 3

2-way valves normally closed: the flow direction is shown in the figure (the valve closes against the water flow, fig.1).

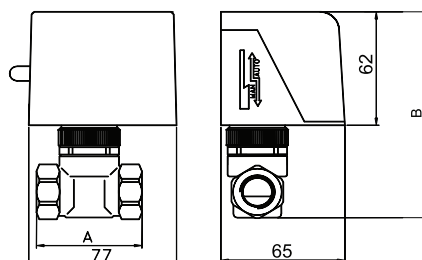
3-way diverting valves: inlet is the normally closed end and the normally open end is the by-pass port (the inlet part is unmarked, fig. 2 and 3)

Important notes for fan-coil installations:

Valve motor and gear train will not operate properly when wet. Motor housing must be protected from drip. The actuator with valve body do not need to be protected against condensation when installed horizontally or up to 85°C from upright position (see figure on side). When mounted in vertical piping, motor housing must be protected from drip.



Dimensions (mm)



Models	Dimensions in mm		Weight kg
	A	B	
VZ215	55	113	0,60
VZ220	66	124	0,65
VZ225	71	129	0,70
VZ315	55	128	0,60
VZ320	66	137	0,65
VZ325	71	145	0,70