

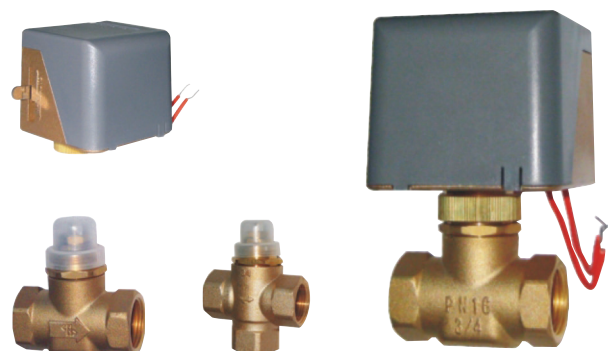


## Description

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

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

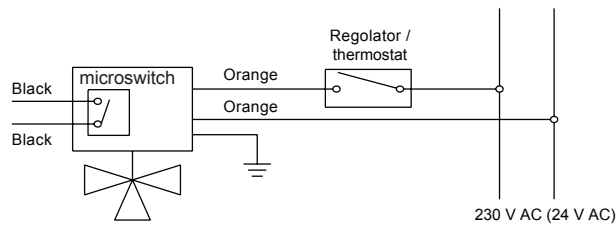
## Technical specifications actuator SVZ

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

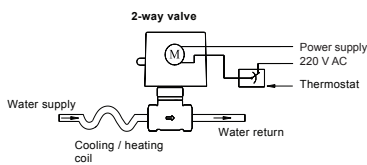


fig. 1

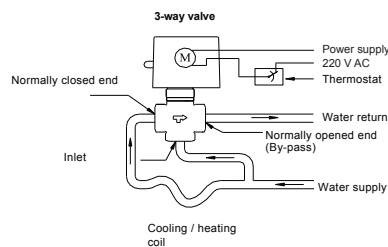


fig. 2

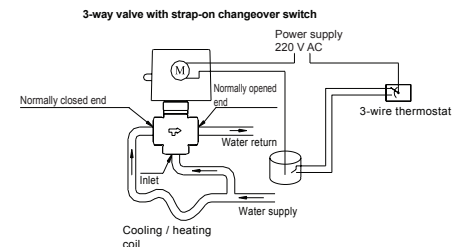


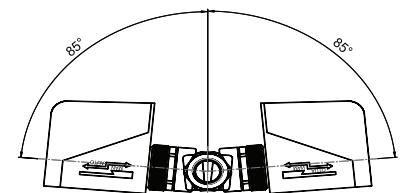
fig. 3

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

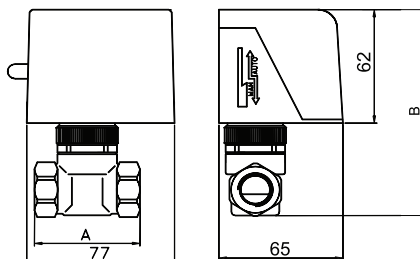
**3-way diverting valves:** inlet is the normally closed end and the normaly open end is the by-pass port (the inlet part is unmarket, fig. 2 and 3)

### 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 potision (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