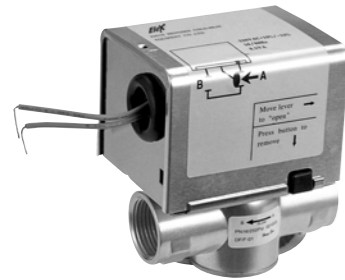


V2016 Series Motorized Valve

General

V2016 Series Motorized Valves are used to control the flow of hot water, freezed water in heating, cooling or air-conditioning applications, so as to control room temperature indirectly. It is made up of Actuator and Valve Body. The Valve is closed, configurations of valve body are closed off; the thermostat (NTC) transfers a signal to actuator that will connect to power, and then open valve, input hot water or freezed water to fan coil unit.; if the room temperature reaches to set-point, thermostat transfers a signal to actuator to cut off the power, and spring switch returns, valve is closed, and the hot or freezed water is block to fan coil unit. Therefore, the room temperature could be controlled in the set-point through valve opened or closed.

V2016 series Motorized Valves are smart, everlasting, less noise and able to work under high temperature environment.



Material

- Actuator: Stainless steel plate, Aluminum cover
- Valve Body: Forged Brass
- Stem: Brass / Stainless steel
- Seat: Brass
- Paddle: Nitrile-butadiene rubber (NBR)

Specifications and data

Model	Config.	Connection type	Kv	Differential pressure (MPa)	medium	Liquid temperature	Ambient temperature	Pressure (MPa)	Power Supply	Storage temperature
V20162w1220	normally closed two-way valve	G1/2	2.0	0.20	hot water	2-95°C	<40°C	2.5	220V(±10%) 50-60HZ	-40-+70°C
V20162w1232	diverting three-way	G1/2	3.2	0.15						
V20163w1243	normally closed two-way	G1/2	4.3	0.15						
V20162w3420	normally closed two-way	G3/4	2.0	0.20						
V20162w3432	normally closed two-way	G3/4	3.2	0.15						
V20163w3446	diverting three-way	G3/4	4.6	0.15						
V20162w1168	normally closed two-way	G1	6.8	0.10						
V20163w1157	diverting three-way	G1	5.7	0.10						

Model definitions

V2016	2 W	1 2	2 0	K A	N	1
Product Code	Configuration 2w=two-way (Normally closed) 3w=three-way (Diverting)	CV size 12=1/2" 34=3/4" 11=1"	Kv=(value) 20=Kv2.0 43=Kv4.3 32=Kv3.2 46=Kv4.6	Additional code With Microswitch	Connection type No code=Standard Thread N=NPT Screw Thread S=Sweat I=Inverted Flare	Power No code =220VAC 1=24VAC 2=100/110VAC 3=120VAC 4=240VAC 5=270/277VAC

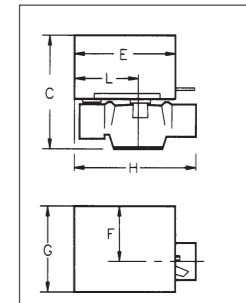
V2016 Series Motorized Valve

Installation Instruction

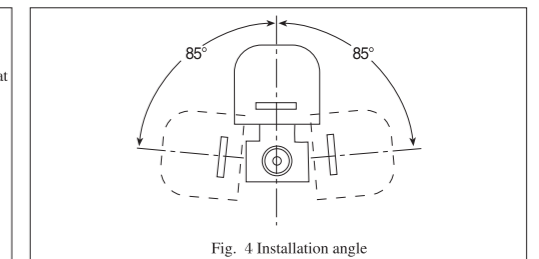
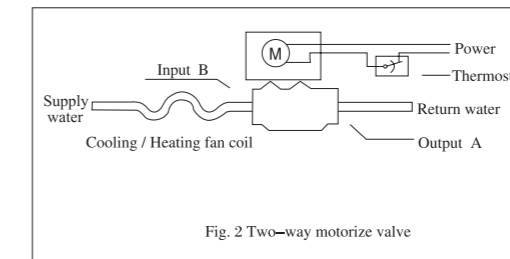
1. Wiring diagrams of Normally Closed Two-Way Motorized Valve and Diverting Three-way Motorized Valve, please refer to Figure 1, Figure 2 and Figure 3. If it is applied for high building, should arrange another valve to reduce the pressure on the branch pipe in the bottom.
2. The valves can be mounted in horizontal or vertical piping. When installed in horizontal piping, the actuator must be above the valve body, and it can be titled left or right but it must NOT be below 85 degrees from vertical. Please refer to Figure 4.
3. If the valve is mounted in vertical piping, please be sure the cover of motor is waterproof.
4. When installing the actuator to a normally closed valve, the actuator must be placed in the manually open position by using the manual operating lever. The first time the valve operated electrically, the manual operating lever of the actuator will transfer to the automatic position.

Dimensions

Model	Size (mm)						N.W.(Kg)
	C	E	F	G	H	L	
V20162w1220	105.5	84	35.5	63	90	56	0.90
V20162w1232	105.5	84	35.5	63	90	56	0.90
V20163w1243	116	84	35.5	63	90	56	0.95
V20162w3420	105.5	84	35.5	63	93	50	0.95
V20162w3432	105.5	84	35.5	63	93	50	0.95
V20163w3446	119	84	35.5	63	93	50	1.00
V20162w1168	109.5	84	37	63	95	47	1.00
V20163w1157	125	84	37	63	95	47	1.15

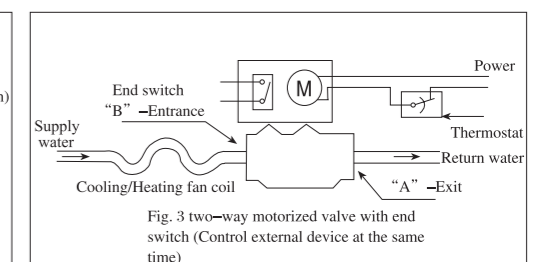
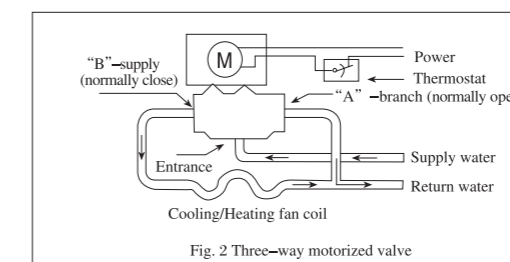


Wiring diagrams



For Normally Closed Two-way Motorized Valve, the flow is from B to A; for Normally Open Two-way Motorized Valve, the flow is from A to B.

The direction of flow and valve are relative closing



Remarks: B is inlet, and A is branch outlet. We mark A & B at the bottom of Valve Body only, no marks for entrance.