

Product Application Reference Fan Coil Valves & Actuators

EFAV57 Fan Coil Valves & Actuators

Summary

EFAV57 series of brass valves are primarily designed to regulate the flow of water in response to the demand of a controller in zone and fan coil applications. They can be used in combination with The on/off series of EFAV57 fan coil actuators. The valves are available in 2 way N.C. (Normally Closed) or 3 way configurations. The EFAV57 electric on/off actuator provides a two positions (open-closed) control. This compact, spring return actuator has 105N minimum seating force in a compact, easy-to install package.

Operation Mode

Connecting power, the motor of actuator drives other parts and overcomes the resistance from spring and push valve stem downwards. When power is off, return spring overcomes pressure from medium, and push stem to close position. Actuator drives stem moving downward and valve core overcomes resistance from stainless spring and moves away from valve seat, open normally closed port.



Specifications

Model	EFAV57, EFAV59
Action	On/off
Motor	Synchronous
Operating Voltage	AC220V 50/60Hz
Power Consumption	7VA
Acting Force	105N±10% (24Lb±10%)
Stroke Range	3mm~5mm
Full Stroke Time "on"	Approx. 10s
Full Stroke Time "off"	Approx. 5s
Protection	IP40
Ambient Temperature	Operation: +2 ~ 60°C, non condensing Storage: -20 ~ 65°C, non condensing
Shipping Weight	496g

Specifications

Model	EFAV57-2XXX	2-way (normally closed)
	EFAV57-3XXX	3-way
	EFAV59-2XXX	2-way (normally closed)
	EFAV59-3XXX	3-way
Body rating	PN16 (1.6Mpa or 232psi) max pressure resistance 300psi	
Medium	Hot or Cold Water for HVAC	
Body size nominal	015 (1/2")	020 (3/4") 025 (1")
Selectable Kv for 2-way	0.63 1.0 1.6	1.6 2.5 3.5 2.5, 4.0 5.5
Selectable Kv for 3-way	1.6	3.5 5.5
Shipping Weight for 2-way	1216g	1367g 1562g
Shipping Weight for 3-way	1253g	1422g 1644g
Body Connection	NPT or Parallel BSP (tapered)	
Action	On/off	
Nominal Stroke	3.0mm	
Materials	Body: brass Plug: synthetic rubber EPT Packing ring: O-ring EPT Stem: AISI 303 stainless steel Spring: AISI 302 stainless	
Medium temp. range	2~50°C	
Ambient Temp. Range	2~60°C	

Ordering code

EFAV57-X XXX X

- B:Brass
- Valve Size:15, 20, 25
- 2:2 way,3:3 way

EFAV59-X XXX X

- B:Brass
- Valve Size:15, 20, 25
- 2:2 way,3:3 way

※ CE Compliance EMC (72/23/EEC) according to the standard EN60730-2-8:1995 + A1 : 1997 + A2 1997