

DDF-G series Motorised Valve



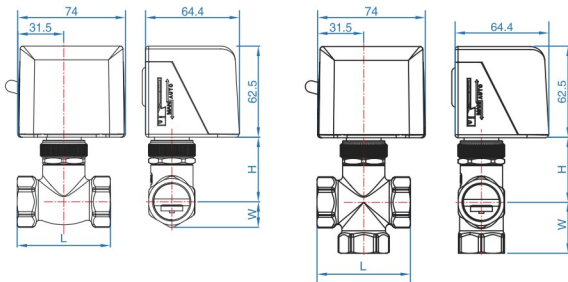
DDF-G series motorised valve are available for controlling the central air conditioning and heating system's opening and closing to control the room temperature. The control valve is driven by the unidirectional hysteresis synchronous motor and adopts spring reset. The actuator is normally closed when it doesn't work. If it needs to work, the thermostat will provide a signal of opening, and then the actuator will get the power to work. Opening the valve, the cold and hot water will come into the fan coil to provide the cold or hot air. When the set temperature is achieved, the thermostat will cut off the electric thermal valve's power, and then the reset spring can close the valve to stop the water flow into the coil. So the room temperature is always maintained within the set range by the valve's opening and closing.

DDF-G series motorised valve actuator and valve is connected by thread. Actuator should be installed after the valve. The installation is very convenient. Actuator installation should be close to the wall to save space. This product has high durability and small noise, and can be used in the secluded fan coil which is always has high temperature and humidity.

Specifications

- Body material: forged brass
- Stem material: stainless steel 06Cr19Ni10
- Sealing material: nitrile rubber (NBR)
- Working medium: cold/hot water
- Fluid temperature: 2-94℃
- Pressure: 1.6MPa
- Ambient temperature: 0-65℃ maximum relative humidity is no dew
- Travel time: 11-15 seconds
- Motor torque: >800gf.cm

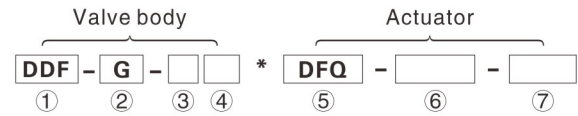
Specifications



Order No.	Model No.	Valve Type	DN	Thread Size	Kvs	Maximum differential pressure kPa	Dimensions		
							L	W	H
12060	DDF-G-215*DFQ-JA1-220	2-way	15	G1/2	1.5	250	52	14	44.5
12061	DDF-G-220*DFQ-JA1-220	2-way	20	G3/4	2.1	250	64	17.5	44.5
12063	DDF-G-225*DFQ-JA1-220	2-way	25	G1	3.3	100	71	20	44.5
12064	DDF-G-315*DFQ-JA1-220	3-way	15	G1/2	1	250	55	30	40
12065	DDF-G-320*DFQ-JA1-220	3-way	20	G3/4	2.3	250	64	35	45
12066	DDF-G-325*DFQ-JA1-220	3-way	25	G1	3.6	100	66	35	45

Note: The table is recommended model, you can refer to the following selection description of the combination of models, please consult the sales staff for details.

Model Selection Description



Serial number	Code definition	Optional range definition
①	Motorized valve body series	DDF
②	Valve body code	G=internal thread, high pressure motorized valve
③	Valve type	2=2-way valve, 3=3-way valve
④	DN	15=DN15, 20=DN20, 25=DN25
⑤	Motorized valve actuator series	DFQ
⑥	Actuator code	JA1=2-wire, JA2=5-wire, JA3=2-wire aluminum alloy shell
⑦	Input power	220=220VAC, 110=110VAC, 24AC=24VAC

Installation diagram

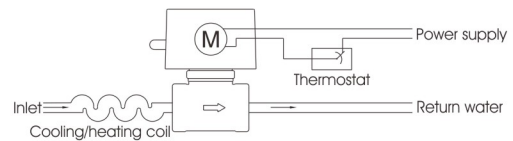


Figure 1 2-way

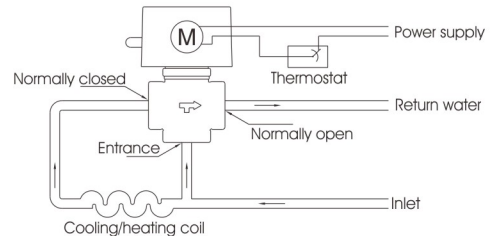


Figure 2 3-way

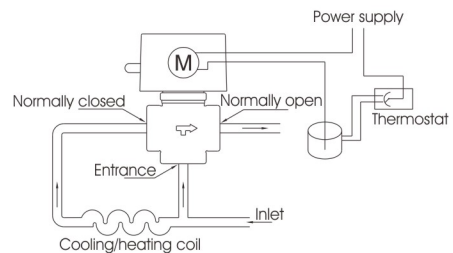


Figure 3 3-way valve with transfer switch

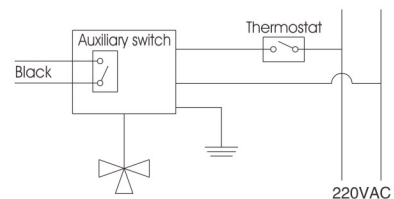


Figure 4 Auxiliary switch multiple wiring diagram

Installation Notices:

Installation of 2-valve and a 3-way valve is shown in figure 1 and figure 2. 3-way valve can be divided into shunt type or mixed type. For the high-rise building, it should install a pressure - relief valve at the bottom of branch pipe. When install the valve body, make sure the direction of the arrow on the valve body is the direction of the flow of the liquid.