

DDF-X series Motorized valve



DDF-X series motorized valve is available for controlling central air conditioning and water heating system's opening and closing to control the room temperature. The control valve depends on the paraffin wax propeller drive the spring to reset. The actuator is normally closed when it doesn't work. If it needs to work, the thermostat will provide a signal of opening, 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 actuator's power, then the reset spring can close the valve to stop the water which flow into the coil. So the room temperature is always maintained within the set range by the valve's opening and closing. The actuator and valve is connected by clamp connection way. Actuator should be installed after the valve. The installation is very convenient. Actuator installation can be close to the wall to save space. This product is durable and reliable. The operating noise is very low.

Specifications

- Body material: forged brass
- Stem material: brass
- Sealing material: nitrile rubber (NBR)
- Working medium: cold/hot water
- Fluid temperature: 2-94°C
- Pressure: 1.6MPa
- Ambient temperature: 0-65 °C maximum relative humidity is no dew
- Travel time: 11-15 seconds
- Motor torque: >600gf.cm

Specifications



2-way

3-way

Order No.	Model No.	Port Type	DN	Thread Size	Flange	Maximum operating pressure (MPa)	Dimensions (mm)		
							L	H	W
1000	DDF-9-2019Q-0A-20	2-way	15	G1/2	2.2	25	81	21	19
1001	DDF-9-2019Q-0A-20	2-way	20	G3/4	2.5	25	81	21	19
1002	DDF-9-2019Q-0A-20	2-way	25	G1	3	25	88	25	23
1003	DDF-9-2019Q-0A-20	3-way	15	G1/2	2.2	25	81	25	19
1004	DDF-9-2019Q-0A-20	3-way	20	G3/4	2.5	25	81	25	19
1010	DDF-9-2019Q-0A-20	3-way	25	G1	3	25	92	42	23

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

Model Selection Description

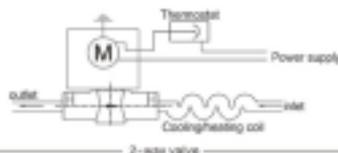


Code	Code/definition	Corresponding definition
①	Motorized valve body series	DDF
②	Valve body code	3-internal thread connector split type motorized valve
③	Version	20-way valve, 30-way valve
④	DN	15-DN15, 20-DN20, 25-DN25
⑤	Motorized valve actuator series	DFG
⑥	Actuator code	3A10-way, 3A10-way, 3A20-way
⑦	Insulation	20x20mm, 10x10mm, 10x5mm

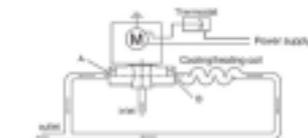
Installation diagram



Installation angle



2-way valve



3-way valve

- For high-rise buildings, a reduction valve should be used on the bottom branch.
- The rotor housing should prevent water from seeping in. So when the valve is installed, the actuator must not be under the pipe.
- When the valve is mounted on a vertical pipe, the rotor housing must be protected from dripping.
- Manual lever: When the manual lever is slowly moved along the arrow and pressed into the notch, the valve is normally open. Whenever the current passes through the motorized valve for the first time, the manual lever is reset to the automatic position.
- If the actuator is not pre-installed on the valve body, when installing, first push the operating lever along the arrow direction into the lower groove, (press the black button on the drive, put it on the valve body and release it, then it can be installed. Repeat the above steps if you need to disassemble).
- Note: The direction of water flow should be the same as the arrow on the valve body; the actuator should not be used as the fulcrum of force during installation.