

LFFDF Solenoid valve series



Product Description

Solenoid valves are divided into direct-acting and pilot-operated types. They are mainly used in central air conditioners, heat pumps, ice-making machines, ice-cream machines, refrigerating systems and dehumidifiers, and automatically open or close the internal passage of the valve.

Features

1. Low power consumption, good reliability, good opening performance, and large maximum working pressure difference
2. Advanced technological process, built-in welding silver ring, melting silver wire from inside to outside, to ensure no leakage phenomenon.
3. The ultra-low temperature is minus 40 degrees, and the working performance is good.
4. When the low voltage is 187 volts, the valve opening ability is strong.
5. The internal leakage is less than 99ml/min. (The national standard is 300ml/min).
6. The head, steel ball and core iron materials used by our company are stainless steel made in Japan. The guaranteed life is more than 200,000 times. (The national standard is 100,000 times)
7. The company's products use imported stainless steel raw materials, and are produced and processed by Japanese Kitamura machine tools and Panasonic welding machines. Guaranteed quality 100% pass rate.
8. The sealing parts in the valve body contains steel balls in contact with copper to form a hard seal, so that the product has good sealing performance, refrigerant corrosion resistance, high temperature resistance of 180 C, and long service life.

Technical Parameters

Coil voltage	AC220V、 AC110V、 AC24V、 DC24V
Voltage range	85%~110%
Frequency	50/60Hz
Suitable medium	R22 R134A R407C R410A Clean water
The highest working pressure	a、 R410A:4.2MPa,b、 R407C:3.3MPa,c、 R22: 3.0MPa,
Environmental temperature	refrigerant-35 ~55°C, Clean water---5 ~45°C,Relative humidity less than 95%
Medium temperature	refrigerant-----30~120 °C ; Clean water----1 °C~60°C
Work	long term continuous operation
Coil insulation class	B

Technical parameters								
Spec	code	Connection Diameter	Action type	Valve Diameter	Max Operating pressure Difference	Interior leak	Coil temperature	Life Time
FDF0.5	-001	Ø6.35*47	Power Time To open	0.5mm	0.84MPa	<10ml/min	<75K	200000 times
FDF2A	-001	Ø6.35*69	Power Time To open	2mm	3.4MPa	<99ml/min	<75K	200000 times
	-05	Ø6.35*47						
	-05A	Ø6.35*47						
	-06	Ø6.35*62						
	-07	Ø6.35*62						
FDF3A	-001	Ø6.35*47	Power Time To open	3mm	2.8MPa	<99ml/min	<75K	200000 times
	-001A	Ø6.35*47						
	-01	Ø6.35*72						
FDF4A	-001	Ø6.35*47	Power Time To open	4mm	2.8MPa	<99ml/min	<75K	200000 times
	-001A	Ø6.35*47						
FDF6A	-001	Ø8*58	Power Time To open	6mm	3.4MPa	<99ml/min	<75K	200000 times
	-02	Ø8*40						
FDF7A	-001	Ø8*58	Power Time To open	7mm	3.4MPa	<100ml/min	<75K	200000 times

