

2W UPVC and CPVC Solenoid Valve-Normally Closed Technical Specifications



The introduction of UPVC solenoid valve

UPVC, also known as hard PVC, is an amorphous hot resin made by polymerization of vinyl chloride monomer and certain additives. It has strong mechanical properties, wear resistance, flame resistance, good dielectric properties, excellent corrosion resistance, which can adapt to the general corrosion of the fluid.

1. UPVC solenoid valve unique structural process

- A. The fluid is completely separated from the metal parts (moving iron core, spring), realizing the real corrosion resistance in the structure;
- B. Piston instead of diaphragm, solenoid valve service life greatly increased;
- C. The pilot hole has very large diameter, short and straight path, which is not easy to be blocked by the crystallinity in the fluid from the particle precipitate(silt in the water and the crystalline salt in the brine);
- D. Embedded sealing structure makes sealing performance more reliable.

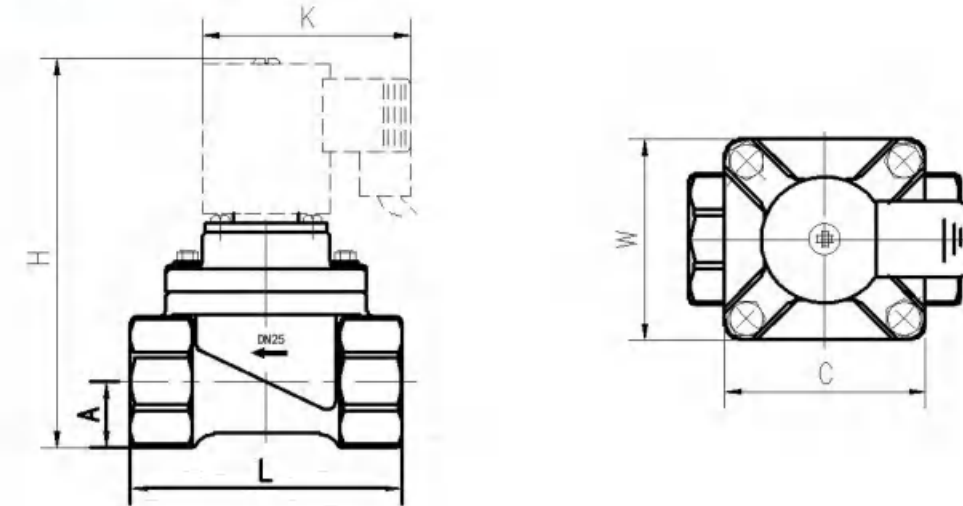
2. Advantages of UPVC solenoid valve

- A. Electromagnetic zero leakage;
- B. The aperture of the electromagnetic flow is the standard value, which meets the corresponding flow requirements;
- C. The electromagnetic particles in the two fluids have strong adaptability to sediment, which is used in sewage treatment, agriculture, forestry, irrigation, seawater desalination, and aquaculture. The acidic and alkaline fluids in the industrial process have obvious advantages, especially in the crystallizable fluids such as phosphoric acid;
- D. UPVC material seals used by the United States health foundation (NSF) has passed the health and safety certification, in line with international standards for environmental drinking water.

Ordering Code

Valve Type	Pipe Size	Connection	Voltage	Function Type	Body Material
2W	20	N	AC220V	H	ZP
	15: 1/2"	Black:G-Thread	AC220V	Black:N/C	ZP:UPVC
	20: 3/4"	N:NPT Thread	DC24V	H:N/O	ZC:CPVC
	25: 1"	F:Flange			
	32: 1 1/4"				
	40: 1 1/2"				
	50: 2"				

Overall Dimension Chart



Overall Dimension (mm)

Model	Connection Port	Overall Dimension (mm)						
		L	H	W	C	A	K	D
2W15ZP	1/2"	75	132	63.5	63.5	16	92	φ 64
2W20ZP	3/4"	80	137	63.5	63.5	19	92	φ 75
2W25ZP	1"	100	147	74	74	26	92	φ 85
2W32ZP	1 1/4"	120	171	94	94	30	94	φ 100
2W40ZP	1 1/2"	130	180	94	94	32.5	94	φ 110
2W50ZP	2"	172	225	155	155	42	94	φ 125

Valve Selection List

Mode code	2W15ZP	2W20ZP	2W25ZP	2W32ZP	2W40ZP	2W50ZP
Pipe Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	G2"
Orifice (mm)	15	20	25	32	40	50
Cv Factor	4	5.5	13	17	25	40
Fluid Media	Acid, Alkali, Corrosive Liquid, Air					
Operation Mode	Pilot Operated					
Type	Normally Closed					
Viscosity	Under 20CTS					
Interface	G Thread, NPT Thread					
Operation Pressure (bar)	0.1~6					
Available Voltage	AC220V AC110V DC24V DC12V ±10%					
Body Material	UPVC/CPVC					
Seals Material	EPDM/FKM					

Note: In case use for special pressure, voltages, sealing and so on, please state with your order.