

ПРЕДПРИЯТИЕ МАКСАЭРО

- Производство воздуховодов и систем вентиляции
- Клапаны противопожарные
- Клапаны дымоудаления
- Вентиляторы общепром, дымоудаления, крышные

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Электромагнитные клапаны ХСРС серии 2V дополнительные характеристики



2 Position 2 Way Solenoid Valves

This kind of valve widely used in wide different industry, you can find the valve with different material like brass, stainless steel, engineering plastic, and they are used for pressure range from 0 to 50 bar, temperature from -10 °C to 180°C. If there is no current models with your meet, please contact us, we are available to provide specialized valves according to your requirement.



General Information About Solenoid Valve

Inner structure and categories of two way solenoid valves 

Direct acting solenoid valves

Including normal close style (N.C.) and normal open style(N.O.). The N.C. style solenoid valve stay close at power off condition. When power on, the coil yields electricity-magnetic force, which exceed the spring force and hence pulls active armature approaching to static armature, the valve becomes open; when power off, the electricity-magnetic force disappear and the active armature go back to its original place by the spring force, the valve close. The N.O. style is just opposite. These valve are normally simple structure, dependable action, fast response, high, frequency and with ≤6mm small orifice size(N.O. style ≤4mm).

Diaphragm pilot solenoid valves

This style valve makes main valve and pilot valve together, when power on, the coil yields electricity-magnetic force pulls active armature approaching to static armature, the pilot valve open and control the main valve to open; when power off, the electricity-magnetic force disappear and with the gravity and spring force, the active armature close the pilot valve, which control the main valve to close. The N.O. style is just opposite. These valve are normally with bigger orifice size and ≤10Bar working pressure and with zero differential working pressure.

Piston pilot solenoid valves

Similar with piston pilot solenoid valves, but supports for higher pressure and temperature, with ≥1 Bar differential working pressure.

Seal Features 

Material	NBR	HNBR	EPDM	VMQ	FKM	PTFE	PU
Medium Applicability							
Highest working temperature	80℃	120℃	120℃	180℃	120℃	200℃	80℃
Lowest working temperature	-5℃	-10℃	-20℃	-40℃	-20℃	-50℃	-20℃
Anti-burning	×	×	×	△	⊙	⊙	△
Steam	×	△	⊙	○	△	○	×
Oil	⊙	⊙	×	△	⊙	⊙	⊙
O ₃	△	⊙	⊙	⊙	⊙	⊙	⊙
Chemical	△	○	⊙	⊙	⊙	⊙	⊙
Acid	△	○	⊙	△	⊙	⊙	×
Alkalinity	○	⊙	⊙	△	⊙	⊙	×
Water	○	○	⊙	○	○	⊙	⊙
Wearing	○	⊙	○	×	○	⊙	⊙
Anti distortion	○	○	○	⊙	○	×	×
Tension	⊙	⊙	⊙	×	○	×	⊙

Description of the symbol: ⊙ Very good ○ Good △ Normal level × Not OK

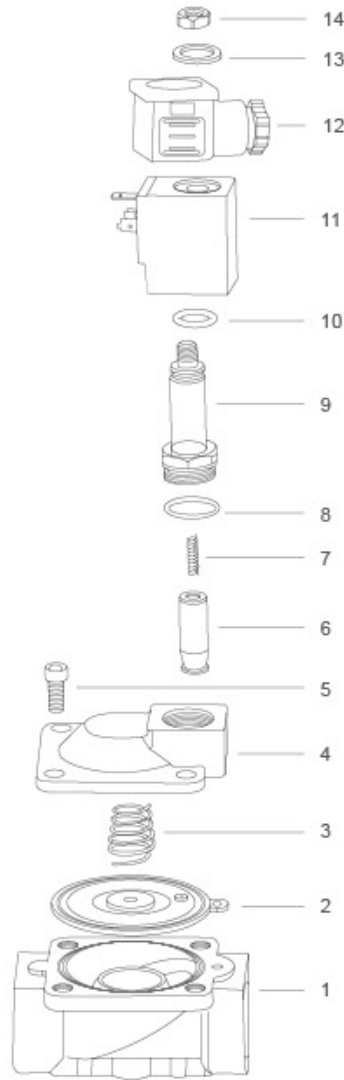


General Information About Solenoid Valve

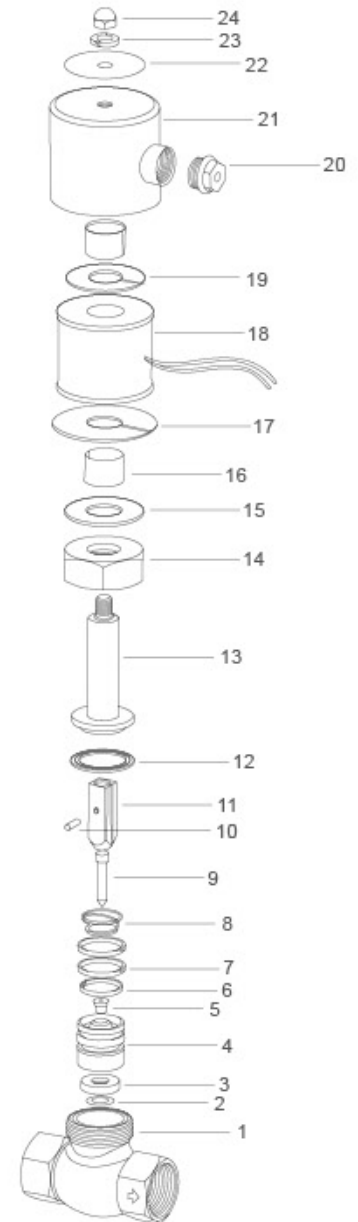
Part List 



No	Designation
1	Valve body
2	O-ring
3	Seal pad
4	Pilot
5	Spring
6	Armature
7	Coil
8	Steel washer
9	Washer
10	Spring washer
11	Nut



No	Designation
1	Valve body
2	Diaphragm
3	Diaphragm spring
4	Valve cover
5	Hexagon screw
6	Pilot units
7	Plunger Spring
8	O-ring
9	Plunger tube assembly
10	O-ring
11	Coil
12	Connector
13	Gasket
14	Lock Nut



No	Designation	No	Designation
1	Valve body	13	Static armature
2	Washer	14	Nut
3	Seal pad	15	Gasket
4	Valve core	16	Bushing
5	Seal	17	Steel plate
6	Gasket	18	Coil
7	Guide ring	19	Steel plate
8	Spring	20	Nut
9	Valve needle	21	Steel cover
10	Pin	22	Min plate
11	Armature	23	Spring washer
12	Seal ring	24	Nut



2V Series 2/2 Solenoid Valve

Ordering Code



2V	025	06	AC220V	V
Specification Code 2V:Two-positionTwo-way Solenoid Valve	Aperture of Flow Rate 025:2.5mm 130:13mm 250:25mm	Port Size 06:G1/8" 08:G1/4" 10:G3/8" 15:G1/2" 20:G3/4" 25:G1"	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Oil Seal Code Blank:NBR V:VITON(For High temperature)

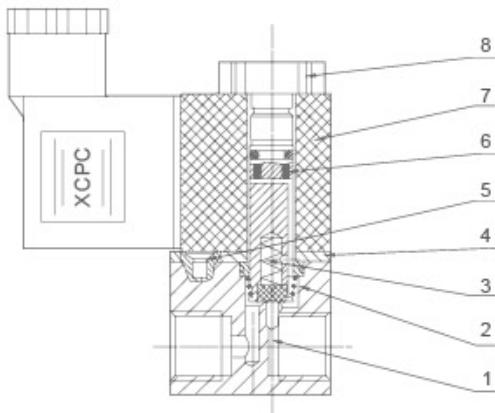
Graphic Symbol



Specification

Model	2V025-06	2V025-08	2V130-10	2V130-15	2V250-20	2V250-25
Working Medium	Air,Water,Oil					
Motion Pattern	Direct Drive Type			Guide Type		
Type	Normal Close Type					
Aperture of Flow Rate(mm)	2.5		13		25	
CV Value	0.23		6.2		23	
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"	G1"
Operation Fluid Viscosity	20 CST (Below)					
Working-pressure	Air,Water,Oil 0~0.8MPa			Air,Water,Oil 0.05~0.7MPa		
Max. Pressure Resistance	12kgf/cm ²			10.5kgf/cm ²		
Operating Temperature Range	-10~+80℃					
Voltage Range	±10%					
Protect Class	IP65					
Power Consumption	AC:7VA/860Hz PC:6W					
Insulation	F Class					
Material of Body	Aluminum or Brass			Brass		
Material of Oil Seal	NBR or VITON			NBR		
Shortest Excitation Time	0.05 Second					

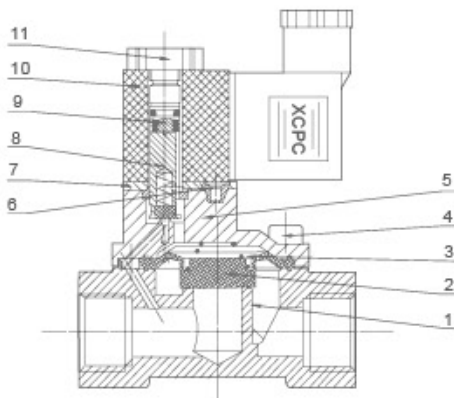
Internal structure



No	Name
1	Body Of Valve
2	Spring
3	Assembly Of Iron Core
4	Assembly Of Iron Core
5	Cruciform Slot Screw
6	Platen
7	Coil
8	Nut

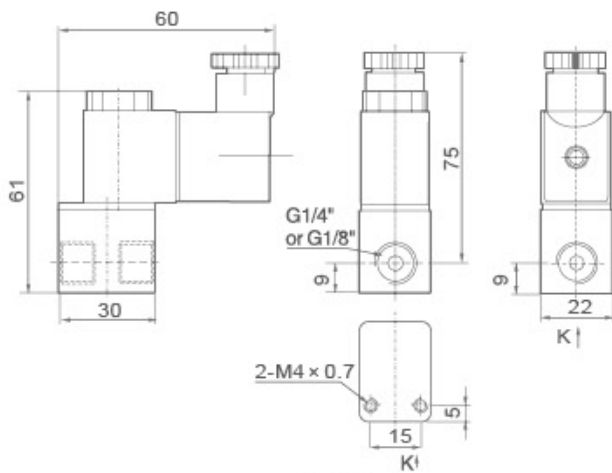
2V Series 2/2 Solenoid Valve

Internal structure

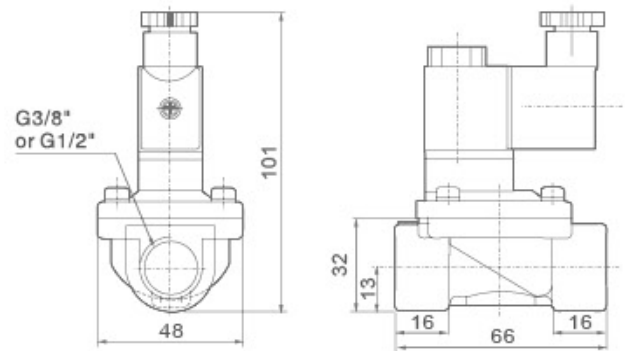


No	Name
1	Body Of Valve
2	Diaphragm
3	Spring
4	Socket Hexagon Screws
5	Cover board
6	Cruciform Slot Screw
7	Platen
8	Assembly Of Iron Core
9	Assembly Of Iron Core
10	Coil
11	Nut

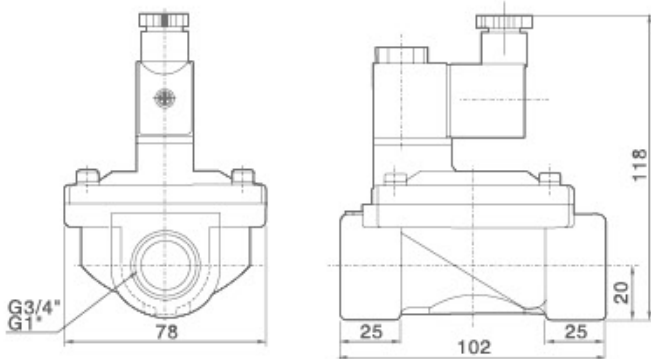
Overall Dimensions



2V025



2V130



2V250



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