

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 $\leq 6\text{mm}$ small orifice size(N.O. style $\leq 4\text{mm}$).

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 $\leq 10\text{Bar}$ 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 $\geq 1\text{ Bar}$ differential working pressure.

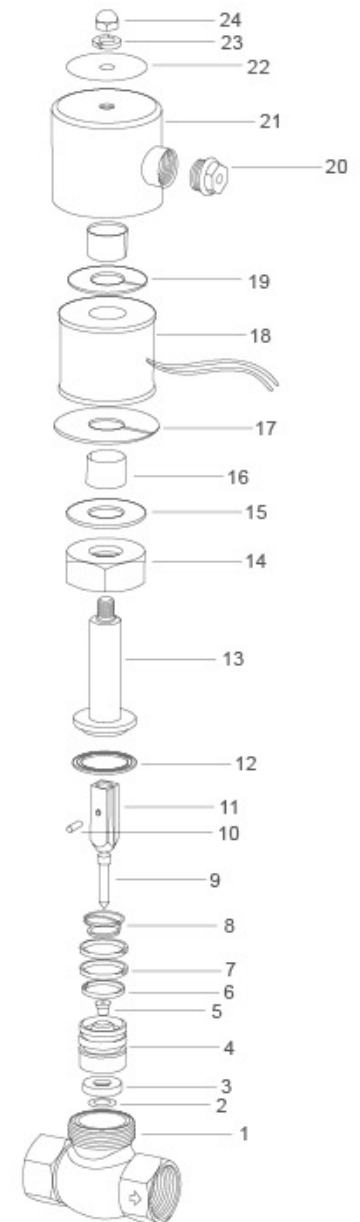
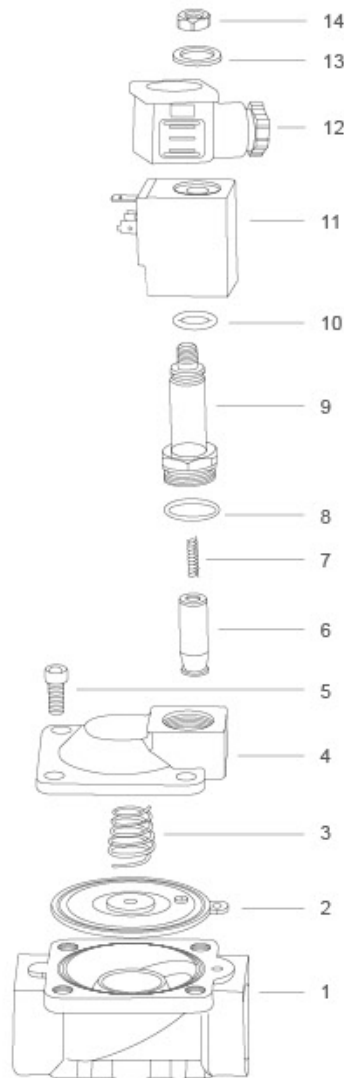
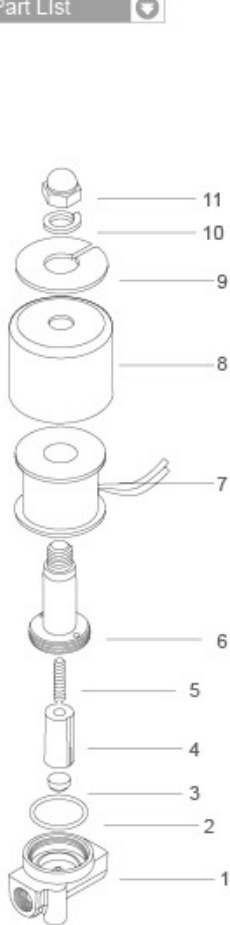
Seal Features 

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



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XMFZ Series Right Angle Pulse Valve

Ordering Code

X	MF	Z	—	25	—	P	EX
XCPC Product	Pulse Valve	Type Code		Orifice Size		Thread Type	Wiring Form
		Z: Solenoid Control ZQ: Pneumatic Control				Blank: Normal Thread Type A: Thread Type+ Insert pipe P: Thread Type S: Double Diaphragms J: Thread Type (Economy Type)	Blank: Normal Type EX: Ex-proof Type



Speciality

Adopt international advanced technology.

Used for dust remover.

Key parts all made of imported materials.

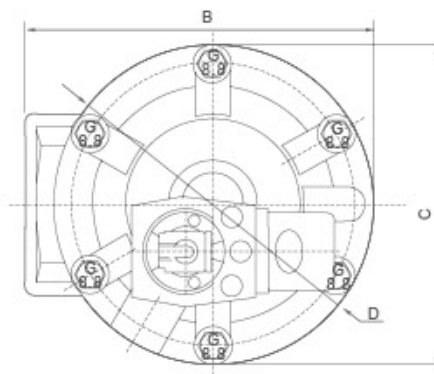
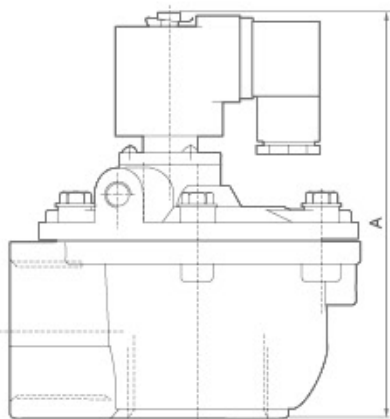
Pneumatic control type, solenoid control type, ex-proof solenoid control type for choose.

Female thread connection port, easy to be mounted.

Specification

Model	XMF-Z-20A	XMF-Z-20P	XMF-Z-20	XMF-Z-25	XMF-Z-25P	XMF-Z-35P	XMF-Z-40S	XMF-Z-50S	XMF-Z-62S	XMF-Z-76S	XMF-Z-100S
Working Pressure	0.3~0.8MPa										
Ambient Temperature	-5~55℃										
Relatively Humidity	< 85%										
Working Medium	Clean Air										
Voltage	AC110V/AC220V/DC24V										
Diaphragm Life Cycles	Over 1000k Cycles										
Orifice(mm)	Φ20	Φ20	Φ20	Φ25	Φ25	Φ35	Φ40	Φ50	Φ62	Φ76	Φ100
Connection Port	G3/4"	G3/4"	G3/4"	G1"	G1"	G1 1/2"	G1 1/2"	G2"	G2 1/2"	G3"	Φ100

Overall Dimensions



Dimension Sheet

Model	XMF-Z-20A	XMF-Z-20P	XMF-Z-20	XMF-Z-25	XMF-Z-25P	XMF-Z-35P	XMF-Z-40S	XMF-Z-50S	XMF-Z-62S	XMF-Z-76S	XMF-Z-100S
A	173	124	110	110	124	142	166	202	222	245	356.5
B	145	105	90.5	90.5	105	121	132	210	210	230.5	286.5
C	-	82.5	75	75	82.5	-	-	-	-	-	-
D	Φ90	-	-	-	-	Φ112	Φ137	Φ185	Φ185	Φ200	Φ221