



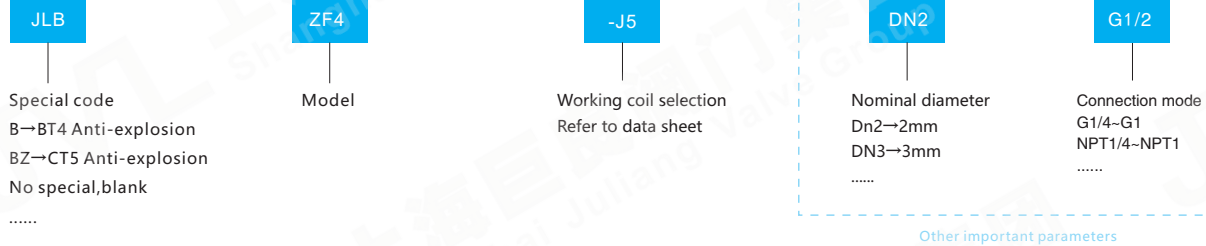
## ZF4 CORROSION-RESISTANT PLASTIC SOLENOID VALVE

MILITARY EQUIPMENT/ ISOLATION DEVICE/ANTI-CORROSION MATERIAL/GOOD SEALING

### Valve selection

- The direction of arrow on the valve body must be consistent with the flow of the medium, if there is bi-directional flow, may select electric valve or pneumatic valve.
- If contain impurity particles in the fluid, the strainer should be installed in front of the valve according to the particle size(the mesh number $\geq$ 80).
- The length of DC power cord should not be too long to avoid coil power loss and normal operation.
- Please give preference to the normally closed type in the design control plan.
- If you need explosion-proof solenoid valve, long duration poweron and special voltage requirements, please consult before selecting the model.

### Model naming method



### Technical parameter

DN	DN2~25MM
Connection mode	English system G internal thread(NPT thread can be customized)
Principle	Direct acting diaphragm mode
Valve body material	PTFE
Sealing material	FKM, PTFE, other materials please consult
Suitable medium	Acid and alkali fluids, all kinds of solvents, super clean fluids, medicinal fluids and other corrosive media
Medium temperature	1.-20°C~80°C others please consult
Ambient temperature	Standard type: -20°C~60°C
Installation mode	Horizontal installation, coil vertical upward (others please consult)
Protection level	Iron housing type:IP54 Plastic sealing type:IP65 Explosion type:BT4:IP54 CT5:IP65

•Notes: Special conditions can be designed and manufactured according to the customer's actual conditions.

### Power parameter

Supply Voltage	AC:220V DC:24V other voltages can be customized
Rated power	J5 AC20VA DC19W
	J8 AC40VA DC37W
	J10 AC50VA DC48W
Voltage deviation	±10%
Electrical connection	Standard type:DIN43650A/B, Standard junction box(M18x1.5) Anti-explosion-type:Standard G1/2" inner thread Power cord of IP54 can be replaced, but IP65 can't

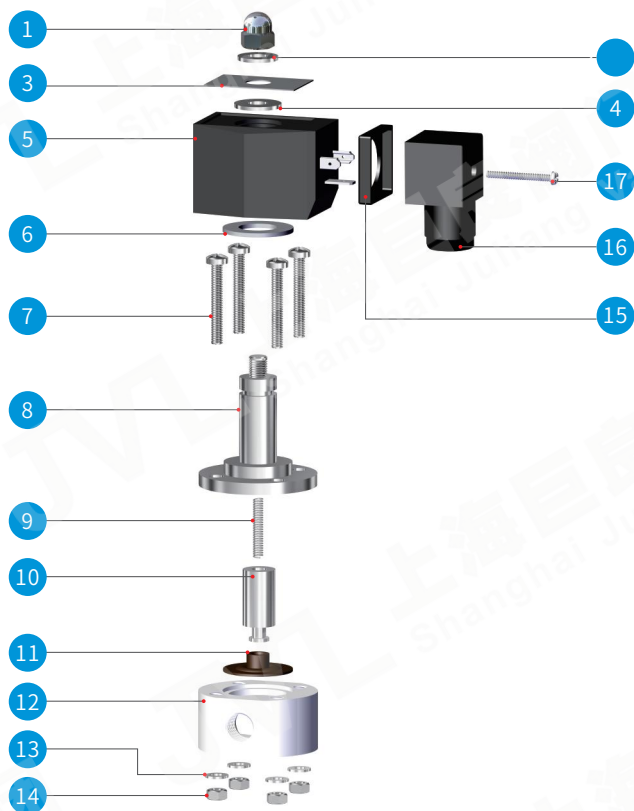


# ZF4

## CORROSION-RESISTANT PLASTIC SOLENOID VALVE

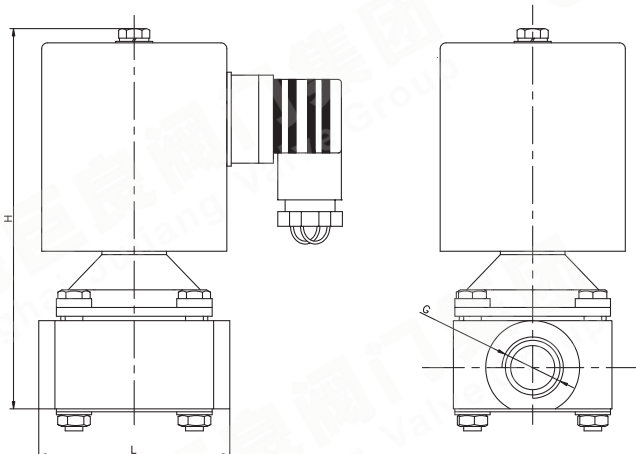
SUPERB TECHNOLOGY/ZERO PRESSURE START/ARBITRARY INSTALLATION/QUICK RESPONSE

Application: corrosion-resistant solenoid valves are widely used in medical equipment, biopharmaceuticals, electroplating coating, chemical industry, petrochemical industry, agricultural machinery, canning equipment, cleaning equipment, environmental water treatment, waterworks, textile printing and dyeing and other automatic control systems.



### Part component description

NO.	Name	NO.	Name
1	M10 nut	10	Moving iron core component
2	D10 spring washer	11	Main valve diaphragm
3	Name plate	12	Valve body
4	Flat washer	13	Spring washer
5	Electromagnetic coil	14	Fastening nut
6	Anti-shock spring washer	15	Protective pad for
7	Bonnet fastening bolt	16	Junction box
8	Bonnet component	17	Junction boxM3 bolt
9	Reset spring		



### Normally closed standard product specifications & dimensions

Type	Nominal diameter DN[mm]	Pipe thread [G]	J5 Differential pressure range[bar]		J8 Differential pressure range[bar]		J10 Differential pressure range[bar]		Outer shape dimension	
			AC	DC	AC	DC	AC	DC	L	H
ZF4 02	2	G1/4"	0~8	0~8	-	-	-	-	50	118
ZF4 03	3	G1/4"	0~6	0~6	0~8	0~8	-	-	50	118
ZF4 04	4	G1/4"	-	-	0~5	0~5	-	-	50	118
ZF4 05	5	G1/4"	-	-	0~4	0~4	-	-	50	118
ZF4 08	9	G1/4"	-	-	0~2	0~2	-	-	50	118
ZF4 15	9	G3/8"、G1/2"	-	-	0~2	0~2	-	-	65	128
ZF4 20	20	G3/4"	-	-	-	-	0~1	0~1	85	145
ZF4 25	25	G1"	-	-	-	-	0~1	0~1	85	150

Notes: 1. Notes: 1. The above technical data and installation dimensions are standard designs for added functional options or special design is strict, you can ask "Overall drawing" from our company. Other pressure grade or special technical requirements shall be subject to the appointment of contract and physical product.  
2. If the solenoid valve is used in explosion-proof conditions, please ask explosion-proof solenoid valve's "Overall drawing" from our company.