

ZBSF STAINLESS STEEL SOLENOID VALVE



Feature

- ✓ Corrosion resistance: the vast majority of parts made of stainless steel or cast stainless steel, corrosion resistance good.
- ✓ Heat: electromagnetic part, seals all using special high temperature electrical materials and sealing materials, and adopt effective measures.
- ✓ Abrasion: reasonable material selection, guidance suite valve cup and clever use of fluid lubrication, reducing wear.
- ✓ Reliable: simple structure, compact, fusion of direct-acting type and pilot indirect type electromagnetic valve has the advantages in low differential pressure, or pressure differential to zero circumstances can work reliably.

Product Introduction

ZBSF stainless steel solenoid valve - it in an electronic control signal to automatically open or closed, the pipeline liquid medium in the on-off or flow control.

ZBSF series stainless steel solenoid valve is the industrial process automation control system with actuator. It is in an electric control signal to automatically open or closed, the pipeline liquid medium in the on-off or flow control.

All stainless steel solenoid valve can be widely used in textile, printing, chemicals, plastics, rubber, pharmaceutical, food, building materials, machinery, electrical equipment, surface treatment and other production and scientific research departments as well as the bathroom, dining room, air conditioning and other daily life of facilities. ZBSF-Y series solenoid valve is mainly used in the corrosive liquid, clean liquid and edible liquid such as liquid medium control. ZBSF series solenoid valve is mainly used for corrosive gas, clean gas gas control.

Ordering Code

ZBSF	-	□	-	□	-	□	-	□	-	□		
Model		Operating Pressure (MPa)		Orifice Size (mm)		Fluid Temp. 1: 60℃ 2: 200℃		Medium Y: Liquid Blank: Gas		Working Condition B: Explosion-proof Blank: Normal		Working Pattern K: Normal Open Blank: Normal Close

Structure Principle

The valve is a step-by-step action directly leading type electromagnetic valve, according to the power which the switch state is different, can be divided into normally closed solenoid valve and the normally open electromagnetic valve. Normally closed solenoid valve, after the coil is energized the armature under electromagnetic force drives the Deputy valve opening, the main valve in the medium pressure difference and under the action of electromagnetic force and open. The coil is de-energized, armature component reduction, the main and the auxiliary valve making use of the medium pressure and tight shut off.

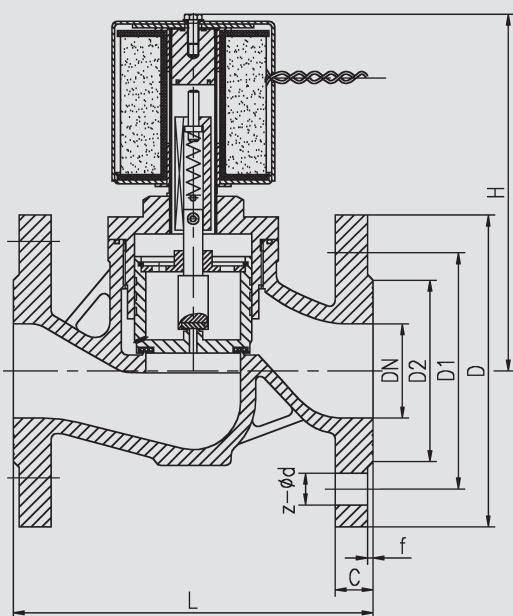
Normally open solenoid valve, after the coil is energized, the magnetic effect of the armature down, push the plug downwards until the vice valve, and side seat tightly, vice valve closed, with the main valve cup pressure tends to be equal, the main valve cup by magnetic and gravity pressing close cover, valve closure. The coil power, the magnetic force is zero, the armature and the Deputy valve plug by spring action rises, the Deputy valve is opened, the main valve cup within the medium by vice valve flow, pressure drop, the main valve cup from the lower pressure difference rises up, the main valve is opened, the valve opening.

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Technical Specification

Item	Explain											
Working Medium	Corrosive fluid, clean fluid, edible fluid ZBSF-1: Gas, ZBSF-1Y: Liquid ZBSF-2: Gas, ZBSF-1Y: Liquid											
Medium Temperature (°C)	ZBSF-1(1Y) :≤60℃, ZBSF-2(2) :≤280℃											
Operation Pressure (MPa)	1.6											
Operation Pressure (MPa)	0~1.6						0.05~1.6					
Orifice Size (mm)	10	15	20	25	32	40	50	65	80	100	125	150
Rated Flow Coefficient (KV)	AC220V specifications for special orders											
Service Life	According to JB/T7352-94 regulations											
Leakage Rate	According to JB/T7352-94-F regulations											
Power Waste	AC≤70VA											
Ex-Proof Mark	DIIBT4											
Ex-Proof Certificate Number	CE991010											
Outlet Connection	Internal thread M20×1.5											
Ambient Temperature	-40~+60℃											

Overall Dimension



Dimension Sheet

DN	L	H	D	D1	D2	b	f	n-d
10	115	148	Φ90	Φ60	Φ41	14	2	4-Φ14
15	115	148	Φ95	Φ65	Φ46	14	2	4-Φ14
20	115	148	Φ105	Φ75	Φ56	16	2	4-Φ14
25	125	148	Φ115	Φ85	Φ65	16	3	4-Φ14
32	150	182	Φ140	Φ100	Φ76	18	3	4-Φ18
40	165	182	Φ150	Φ110	Φ84	18	3	4-Φ18
50	190	192	Φ160	Φ125	Φ99	20	3	4-Φ18
65	290	265	Φ185	Φ145	Φ118	20	3	8-Φ18
80	310	276	Φ200	Φ160	Φ132	20	3	8-Φ18
100	350	373	Φ220	Φ185	Φ156	22	3	8-Φ18
125	400	416	Φ250	Φ210	Φ184	22	3	8-Φ18
150	480	440	Φ285	Φ240	Φ211	24	3	8-Φ22