

NO



Characteristic: 1. Direct lifting diaphragm construction with

high frequency

2. Open from 0 bar with large flow rate3. Applied to low pressure system

Medium: Steam and Hot Water, Civil gas, Oil, etc.

Temperature: N-NBR: -5°C to 80°C

E-EPDM: -5°C to 100°C V-VITON: -5°C to 120°C

Pressure: 0.0Mpa~1.0Mpa

Port Size: 3/8", 1/2", 3/4", 1", 1½", 1½", 2" Port Thread: BSPP, BSPT, NPT, FLANGE

Orifice(mm): 15, 20, 25, 32, 40, 50

Voltage: DC-12V, 24V

AC-24V, 120V, 240V/60Hz; 110V, 220V/50Hz

Tolerance: ±10%

Coils: S91B, 22VA(AC),17W(DC), IP65, 100%ED

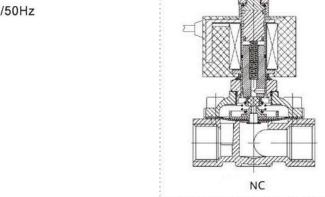
S92B, 22VA(AC),17W(DC), IP65, 100%ED SD01B, 28VA(AC),36W(DC), IP65, 100%ED

Material: Body- Brass or stainless steel UPVC

Seal-VITON PTFE NBR EPDM Armature Tube-Stainless Steel304 Plunger-Stainless Steel 430F

Stop- SS 403F Springs-SS 304

Shading Rings-Stainless Steel 304









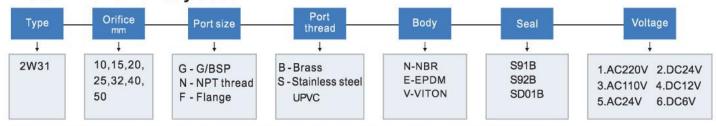




			100000			
Model	Picture	Voltage	Motor Power	Protection Class	Available For	Outline Size Drawing
S91B		1.AC220V 2.AC110V 3.AC24V 1.DC24V 2.DC12V 3.DC6V The voltage can be customed	22VA 17W	IP65	DN10 DN15 DN20 DN25	47 43 O20 O125 O10 O10 O10 O10 O10 O10 O10 O10
S92B		1.AC220V 2.AC110V 3.AC24V 1.DC24V 2.DC12V 3.DC6V The voltage can be customed	22VA 17W	IP65	DN10 DN15 DN20 DN25	43 -020 -0125 -0125 -0125 -0125 -0125 -0125 -0125 -0215 -0125
SD01B		1.AC220V 2.AC110V 3.AC24V 1.DC24V 2.DC12V 3.DC6V The voltage can be customed	28VA 36W	IP65	DN32 DN40 DN50	62 O20 46 12.04 12.05 O20 O20 O20 O20 O20 O20 O20 O20



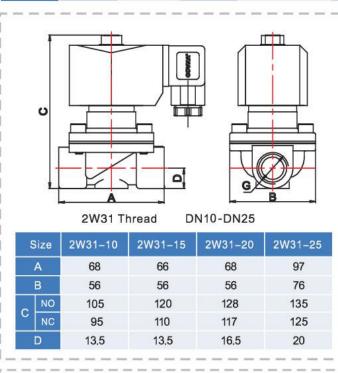
Determine Valve Body Code

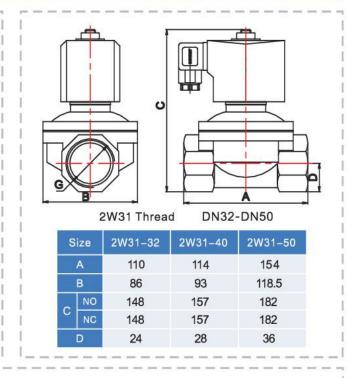


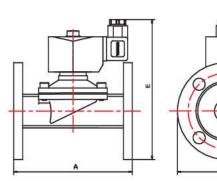
EXMAPLE: HK08 SERIES, NC, 25MM ORIFICE, 1"G, STAINLESS BODY, PET SEAL, COIL S21H, AC220V, DIN

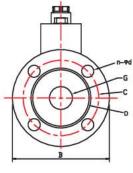
Technical Parameters

Size	Dort Circ	Orifice	Cu	Min Pressure	Max Pr	esuure	Operating Temperature		
Size	Size Port Size Office Cv		Min Pressure	AC(22VA)	DC(17W)	NBR	EPDM	VITON	
2W31-10	3/8"	10	4.5	0.0MPa	0.7MPa	0.7MPa			
2W31-15	1/2"	15	4.5	0.0MPa	0.7MPa	0.7MPa			
2W31-20	3/4"	20	9.3	0.0MPa	0.7MPa	0.7MPa			
2W31-25	-25 1"	25	12	0.0MPa	0.7MPa	0.7MPa	-5℃~80°C	-5℃~100℃	-5℃~120℃
					AC(28VA)	DC(36W)	-30-600	-50~1000	-50-1200
2W31-32	1-1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			
2W31-40	1-1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			
2W31-50	2"	50	48	0.0MPa	1. 0MPa	1. 0MPa			









	А	В	С		n–φd	E	
Size				D		NO	NC
2W31-15	101	∅90	Ø65	Ø40	4-∅14	150	140
2W31-20	103	Ø100	Ø 75	Ø48	4-Ø14	164	154
2W31-25	133	Ø110	∅85	Ø62	4-Ø14	172	162
2W31-32	142.5	Ø132	Ø100	Ø66	4-ø18	198	198
2W31-40	152	Ø142	Ø110	ø76	4-Ø18	208	208
2W31-50	178	Ø155	Ø125	Ø96	4-018	220	220



Solenoid Valve Installation Instruction

Safety instructions before starting

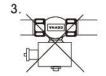
- 1. Check the compatibility of the medium used, temperature and other operating conditions with the materials and specifications of the product. It is the responsibility of the user to select the right product for the application.
- 2. Solenoid valves can only be used with clean liquids or gases. It is recommended to install a filter before the solenoid valve.
- 3. Never exceed the limits for pressure, temperature or voltage as indicated on the product and/or in the technical documentation.
- 4. The temperature of a solenoid valve coil can rise during operation; this is normal. Overheating will cause smoke and a burning smell. In this case, the power supply must immediately be disconnected.



It is recommended to install the solenoid in vertical position with the coil facing upwards. This reduces the probability of the collection of debris in the solenoid valve.







Installation Instruction

- 1. The solenoid valve can be used in combination with clean liquids or gases. Make sure that the pipe may contain dirt before installing the valve. It is recommended to install a filter (500 µm) before the solenoid valve.
- 2. Be aware of the direction of flow of the medium when installing the valve. Solenoid valves with an arrow on the housing must be connected in the indicated direction. The pipes on both sides of the valve must be securely fastened. Use a wrench for both valve and pipe while tightening to prevent unnecessary stresses in the system. The solenoid valve must be fixed via the provided connection points. Only exert force at the designated areas on the body such as the hexagon; never to the coil or armature. Avoid vibration in the pipes. Use a suitable sealant for threaded connections of the solenoid valve. Avoid the entry of thread sealing material in the valve, this can lead to malfunctioning of the valve.

Common faults and inspection, troubleshooting

Problem	Solution				
	1. Check electrical supply with voltmeter. Voltage must agree with nameplate rating.				
Valve fails to operate	2. Check coil with ohmmeter for shorted or opened coil.				
	3. Make sure that pressure complies with nameplate rating.				
The valve is sluggish or	Disassemble valve; clean out extraneous matter. The plunger must be free to move without binding.				
inoperative - electrical supply and pressure check out	If a diaphragm design, check the diaphragm for tears and/or clogged or obstructed bleed hole or pilot orifice. Torn diaphragm must be replaced.				
100 to 10 to 10000000 st 16 00000, 100000	3. Check all springs. If broken, replace.				
External leakage at sleeve flange or joint between body and cover	Check that the sleeve and/or cover screws are torqued to specifications. If leakage persists, replacement of diaphragm assembly or flange O-ring may be required and/or bodies or covers with damaged sealing surfaces may have to be replaced.				
External leakage at speed control device	Check O-rings for damage and replace if necessary.				
	Disassemble valve, remove extraneous matter, and clean parts in a mild soap and water solution.				
Internal leakage	Examine diaphragm sealing surface for dirt. Remove all foreign particles. Examine orifice for nicks. Damaged parts must be repaired or replaced.				
	3. Check plunger return spring. Replace if broken.				
Chatter or buzz sound	Remove power from the coil.				
when energized	2. Inspect the plunger and sleeve forexcessive wear or contamination.				