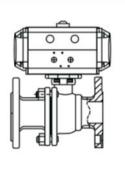
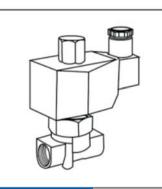
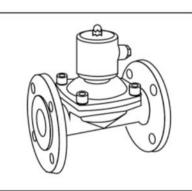


ISO9001 (€ RoHS ♣ ♣











OPERATING MANUAL













Characteristic: 1. Direct lifting diaphragm construction with

high frequency

 $2. \ \mathsf{Open} \ \mathsf{from} \ \mathsf{0} \ \mathsf{bar} \ \mathsf{with} \ \mathsf{large} \ \mathsf{flow} \ \mathsf{rate}$

3. 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", 1¼", 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: $\pm 10\%$

Coils: Y32B, 40VA(AC), 18W(DC), IP65,100%ED

Y42B, 50VA(AC), 20W(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

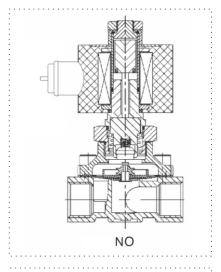
Shading Rings-Stainless Steel 304





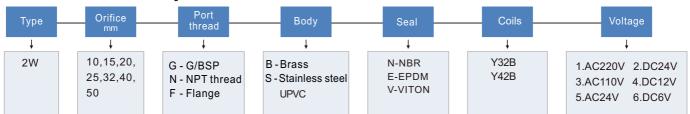


Model	Picture	Voltage	Motor Power	Protection Class	Available For	Outline Size Drawing
Y32B		1.AC220V 2.AC110V 3.AC24V 1.DC24V 2.DC12V 3.DC6V The voltage can be customed	40VA 18W	IP65	DN10 DN15 DN20 DN25	72.5 O10 O50 O25 O25 O25 O48
Y42B		1.AC220V 2.AC110V 3.AC24V 1.DC24V 2.DC12V 3.DC6V The voltage can be customed	50VA 20W	IP65	DN32 DN40 DN50	91.5 010 068 0203 066





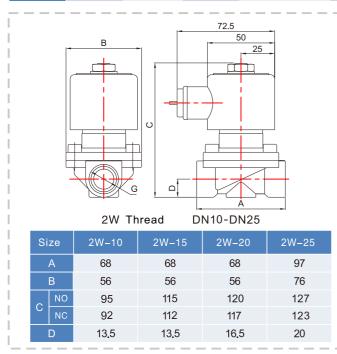
Determine Valve Body Code

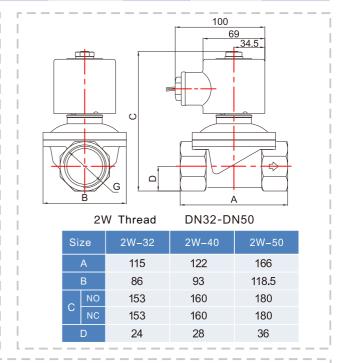


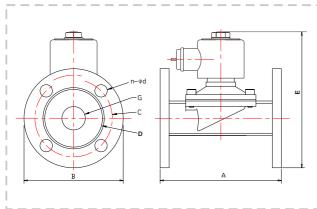
EXMAPLE: HK08 25 GBN S21H2, HK08 SERIES, NC, 25MM ORIFICE, 1"G, STAINLESS BODY, PET SEAL, COIL S21H, AC220V, DIN

Technical Parameters

0:	Size Port Size Orifice Cv		Min Pressure	Max Presuure		Operating Temperature			
Size	FUIT SIZE	mm	CV	MIII Flessule	AC(40VA)	DC(18W)	NBR	EPDM	VITON
2W-10	3/8"	10	4.5	0.0MPa	0.7MPa	0.7MPa	-5°C~80°C	–5℃~100℃	-5℃~120℃
2W-15	1/2"	15	4,5	0.0MPa	0.7MPa	0.7MPa			
2W-20	3/4"	20	9.3	0.0MPa	0.7MPa	0.7MPa			
2W-25	1"	25	12	0.0MPa	0.7MPa	0.7MPa			
					AC(50VA)	DC(20W)			
2W-32	1-1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			
2W-40	1-1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			
2W-50	2"	50	48	0.0MPa	1. 0MPa	1. 0MPa			







2W Flange

А	В	С	D	n–φd	Е	
					NO	NC
101	Ø 9 0	Ø 6 5	Ø40	4-Ø14	145	135
103	Ø100	Ø 7 5	Ø48	4-∅14	157	147
133	Ø110	Ø 8 5	Ø 62	4-∅14	162	152
142.5	Ø132	Ø100	Ø 66	4-∅18	185	185
152	Ø142	Ø110	Ø 7 6	4-∅18	200	200
178	Ø155	Ø125	Ø9 6	4-∅18	212	212
	101 103 133 142.5 152	101 Ø90 103 Ø100 133 Ø110 142.5 Ø132 152 Ø142	101 Ø90 Ø65 103 Ø100 Ø75 133 Ø110 Ø85 142.5 Ø132 Ø100 152 Ø142 Ø110	101 Ø90 Ø65 Ø40 103 Ø100 Ø75 Ø48 133 Ø110 Ø85 Ø62 142.5 Ø132 Ø100 Ø66 152 Ø142 Ø110 Ø76	101 Ø90 Ø65 Ø40 4-Ø14 103 Ø100 Ø75 Ø48 4-Ø14 133 Ø110 Ø85 Ø62 4-Ø14 142.5 Ø132 Ø100 Ø66 4-Ø18 152 Ø142 Ø110 Ø76 4-Ø18	A B C D n-φd NO 101 Ø90 Ø65 Ø40 4-Ø14 145 103 Ø100 Ø75 Ø48 4-Ø14 157 133 Ø110 Ø85 Ø62 4-Ø14 162 142.5 Ø132 Ø100 Ø66 4-Ø18 185 152 Ø142 Ø110 Ø76 4-Ø18 200



Solenoid Valve Installation Instruction

Safety instructions before starting

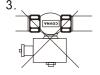
- 1. Check the compatibility of the medium used, temperature and other operating conditions with the materials and specifications of the product. It is the responsibility of the user to select the right product for the application.
- 2. Solenoid valves can only be used with clean liquids or gases. It 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					
	Check electrical supply with voltmeter. Voltage must agree with nameplate rating.					
Valve fails to operate	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.					
·	3. Check all springs. If broken, replace.					
External leakage at sleeve flange or joint between body and cover						
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 wate 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	1. Remove power from the coil.					
when energized	Inspect the plunger and sleeve forexcessive wear or contamination.					