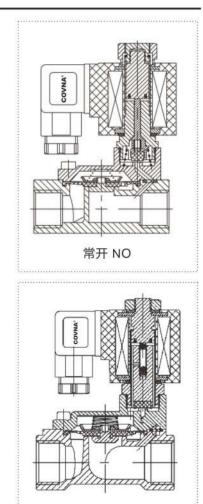


Characteristic: 1. Pilot operated diaphragm construction with less power				
	consumption for longtime working			
	2. Applied to pressure system opened from 0.3 bar			
	3. Lifespan can be at1 million cycles			
	4. Explosion-proof coil			
Medium:	Air, Water, Oil, etc.			
Temperature:	NBR Seal: −5℃ to 80℃			
	EPDM Seal: −5℃ to 100℃			
	VITON Seal: −5℃ to 120℃			
Pressure:	0.03Mpa~1.6Mpa			
Port Size:	1/8", 1/4", 3/8", 1/2", 1¼", 1½", 2"			
Port Thread:	G, BSP,NPT,FLANGE			
Orifice(mm):	12, 15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150			
Voltage:	DC-12V, 24V, 36V			
	AC-24V, 120V, 240V/60Hz; 110V, 220V/50Hz			
Tolerance:	±10%			
Coils:	Ex1620, 20VA(AC), 16W(DC), IP65, 100%ED			
Material:	Body - Brass or stainless steel			
	Seal - VITON,NBR,EPDM			
	Armature Tube - Stainless Steel304			
	Plunger - Stainless Steel 430F			
	Stop - SS 403F			
	Springs - SS 304			
	Shading Rings - Stainless Steel 304			



常闭 NC







Coils Parameters

Model	Picture	Voltage	Motor Power	Protection Class	Outline Size Drawing
EX1620		1.AC220V 2.AC110V 3.AC24V 1.DC24V 2.DC12V 3.DC6V The voltage can be customed	20VA16W	IP65	



Determine Valve Body Code

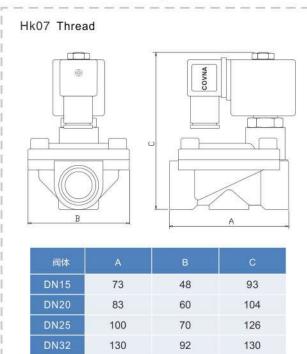
Туре	Orifice	Port thread	Body	Seal	Colis	Voltage
4	+	+	¥	+	Ļ	+
Hk07EX	10,15,20, 25,32,40, 50	G - G/BSP N - NPT thread F - Flange	B - Brass S - Stainless steel	N-NBR E-EPDM V-VITON	EX1620	1.AC220V2.DC24V3.AC110V4.DC12V5.AC24V6.DC6V

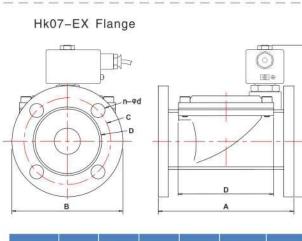
EXMAPLE: HK08 SERIES, NC, 25MM ORIFICE, 1"G, STAINLESS BODY, PET SEAL, COIL S21H, AC220V, DIN

Technical Parameters

Size	Port Size	Orifice	Cv	Min Pressure	Max Presuure	Operating Temperature		ture	Weight
Size	Port Size	mm	CV	Min Pressure	Max Presuure	NBR	EPDM	VITON	weight
HK07EX-12	3/8"	12	4.5	0.03MPa	1.6MPa				
HK07EX-15	1/2"	15	4.5	0.03MPa	1.6MPa			–5℃~120℃	
HK07EX-20	3/4"	20	9.3	0.03MPa	1.6MPa				
HK07EX-25	1"	25	12	0.03MPa	1.6MPa	–5℃~80℃ –5℃			
HK07EX-32	1-1/4"	32	24	0.03MPa	1.6MPa		–5℃~100℃		
HK07EX-40	1-1/2"	40	29	0.03MPa	1.6MPa				
HK07EX-50	2"	50	48	0.03MPa	1. 6MPa				
HK07EX-65	2-1/2"	65	68	0.03MPa	1.6MPa				
HK07EX-80	3"	80	100	0.03MPa	1.6MPa				
HK07EX-100	4"	100	175	0.03MPa	1. 6MPa				
HK07EX-125	5"	125	200	0.03MPa	1. 6MPa				
HK07EX-150	6"	150	250	0.03MPa	1. 6MPa				

Outline Size Drawing





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阀体	А	В	с	D	n–φd	Е
DN15		ø90	ø65	ø40	4 - ø14	
DN20		ø100	Ø 7 5	Ø48	4− ∅ 1 4	
DN25		ø110	Ø 85	ø62	4-@14	
DN32		Ø132	Ø100	ø66	4 - @18	
DN40		ø142	ø110	ø76	4-018	
DN50		Ø155	Ø125	Ø 9 6	4-ø18	

130

156

92

113

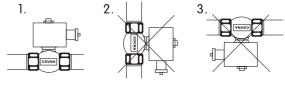
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145



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	2. 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	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.					
	1. Disassemble valve, remove extraneous matter, and clean parts in a mild soap and water solution.					
Internal leakage	2. 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	2. Inspect the plunger and sleeve forexcessive wear or contamination.					