

COVNA®

COVNA Is Looking For Global Distributors.

诚招全球代理商

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English website

COVNA®

科威纳工业自动化有限公司

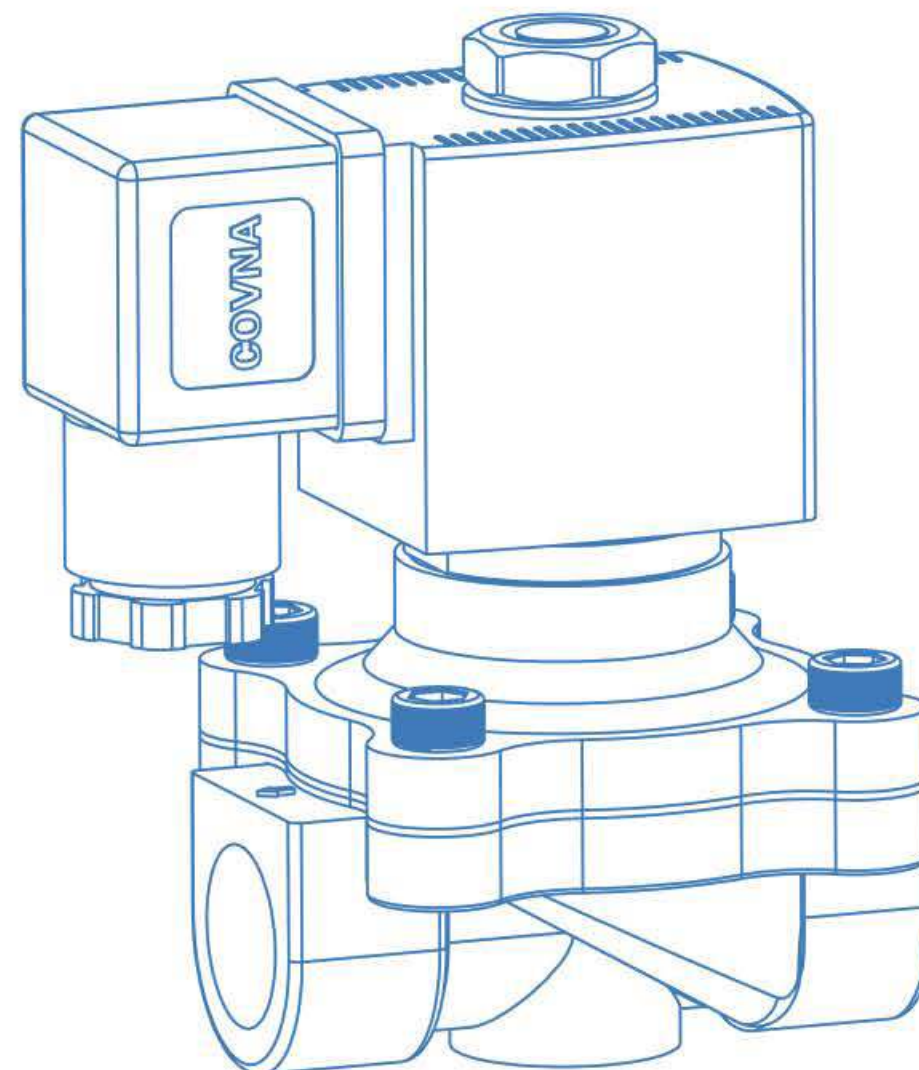
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科威納 | COVNA®

电磁阀系列

Solenoid Valve Series

德国技术 国际品牌
German Technology International Brand



ISO9001 CE RoHS FDA   

COVNA GROUP CO.,LTD is a world-leading valve manufacturer which specialized in solenoid valves, pneumatic actuator valves, And electric actuator valves for pipeline fluid control. COVNA originated from german technology, has its own R&D, design, Production,sales Team, And aims to be the global automation application service provider.

In China, COVNA has one R&D center, 3 production bases and 4 sales subsidiaries, overseas, COVNA has long-term partnerships with more than 80 distributors to meet the growing demands for COVNA products on the global market.

COVNA production range includes solenoid valves, Pneumatic actuator valves,electric actuator valves,gate valves, globe valves, butterfly valves,control valves, safety valves,And various special valves. COVNA products are widely used in water & warer warer treatment, Automation, Petroleum, Chemical,Electric Power, Metallurgy, Mining, Paper-making, Pharmaceutical Industries, Etc.

COVNA team make a rapid response to customer's requirements, provide professional product selection guidance and reliable valve application solutions. So far, COVNA has achieved ISO 9001 quality manage-ment system certification, CE certification, rohs certification, SGS international certification, and US food safety FDA certification, and won the national high-tech enterprise in 2017. The company has more than 30 core patents and multi-national certifications. It has a reputation in more Than 100 countries and regions around the world and has won the trust of customers.

科威纳工业自动化有限公司

COVNA AUTOMATION INDUSTRIAL CO., LTD

科威纳是源自德国技术，集研发、设计、销售、服务于一体，专业生产管路流体控制的电磁阀、气动阀、电动阀等自动化设备配件，致力于全球自动化应用服务提供商。

在中国，我们拥有1个技术研发中心，3大阀门生产基地和4家子销售公司，销售网点遍布各大城市。在海外，我们与80多家代理商建立了长期战略合作伙伴关系，以满足国际市场对科威纳产品日益增长的需求。

科威纳阀门产品覆盖电磁阀、气动阀、电动阀、闸阀、截止阀、球阀、蝶阀、调节阀、安全阀以及各种特殊阀，产品广泛应用于石油、天然气、化工、电力、冶金、船舶、采矿、造纸、医药、水处理、工业系统等十几个行业及领域。

公司推行精益生产与信息化管理系统相结合的管理模式，快速响应客户要求，努力为客户提供专业、可靠的阀门产品和应用解决方案；并先后通过了ISO9001质量管理体系认证，CE安全认证，ROHS环保认证、SGS国际认证以及美国食品安全FDA认证，并在2017年荣获国家高新技术企业，公司拥有30多项核心专利及多国认证，口碑享誉全球100多个国家与地区，深得广大客户信赖。





COVNA

今天，科威纳集团拥有：
六家全资子公司，世界一流设施
优秀的管理团队及技术研发团队
30多名具备从业资格证的工程师
100多名经过专业培训的员工
日本卧式加工中心 / 美国立式加工中心
进口数控机床 / 进口六轴复合机
全自动化装配生产线
高新技术企业

Today, COVNA Group has:
Six subsidiaries
Advanced production facilities
Talented management and R&D team
More than 30 engineers with
qualification certificates
More than 100 professionally trained employees
CNC machine center
Fully automated assembly line



德国技术 国际品牌

GERMAN TECHNOLOGY
INTERNATIONAL BRAND



专业自动化阀门生产商

SPECIALIZED FLUID CONTROL VALVE MANUFACTURER

| 品牌优势

- 源自德国技术，严谨精湛；
- 集研发、设计、销售、服务于一体，一站式解决方案；
- 拥有30多项核心专利及多国认证，专业值得信赖；
- 口碑享誉全球100多个国家与地区；
- 受邀参加国际展会、自动化展示，备受行业推崇。

BRAND ADVANTAGES

- ☐ COVNA is derived from German technology, which is rigorous and superb.
- ☐ COVNA focus on providing customers "ONE-STOP" solutions, including R&D, design, Sales, and Service.
- ☐ We have more than 30 patents of invention and multi-national certification. Trusted profession.
- ☐ World-renowned reputation in more than 100 countries and regions; Its business covered over 100 countries in the world, sharing a good reputation and being strongly recognized by customers all over the world.
- ☐ Invited to participate in international exhibitions, automated exhibitions, highly respected by the industry.



科威纳·连通全球

COVNA CONNECTING THE WORLD

科威纳经过二十年的积累，公司在与国内外众多大型企业的合作交流中，发展和积累了一大批优质客户资源，深得广大客户信赖。

Thanks for your trust on COVNA. Let's build up our glorious future together!

| 主营产品

- 电磁阀
- 电动阀
- 气动阀
- 手动阀

MAIN PRODUCT

- ☐ Solenoid valve
- ☐ Pneumatic actuator valve
- ☐ Electric actuator valve
- ☐ Manual valve





科威纳 COVNA®

国际品质 民族品牌

证书，不仅是一份认可和荣誉，更是一份责任。
在“品牌化建设”与“致力全球自动化应用服务提供商”的道路上，
科威纳一路向前！

Certificate is not only a recognition and honor,
but also a responsibility.
We will keep moving forward on brand building.



工厂展示
Factory Display



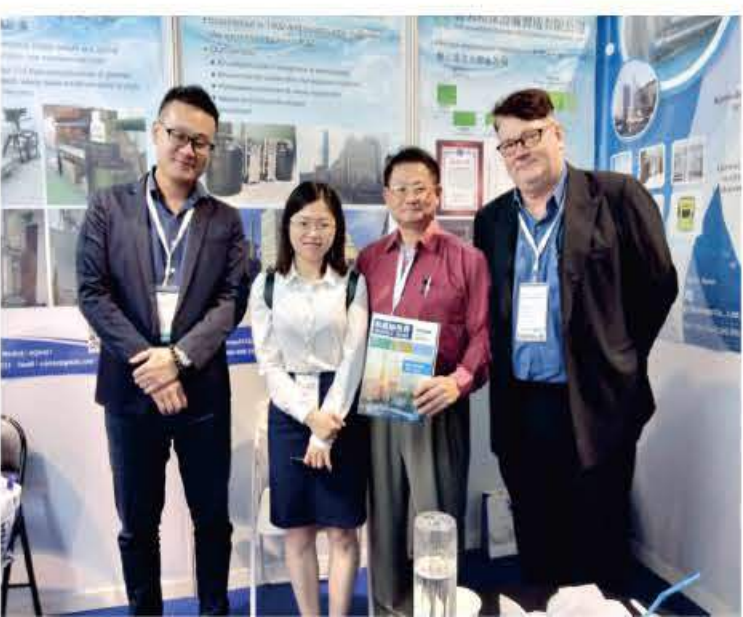
外国客户来访

Foreign Customers Visiting COVNA



科威纳海外参展

COVNA Attending Overseas Exhibitions



客户见证
Customer Witness



科威纳服务全球客户
COVNA SERVE CUSTOMERS WORLDWIDE



电磁阀选用指南 Guide for selection of solenoid valve

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Solenoid valve is an industrial equipment controlled by electromagnetic, and it is an automatic basic component used to control fluid. It belongs to an actuator and is not limited to hydraulic and pneumatic. Used in industrial control systems to adjust the direction, flow, speed and other parameters of the medium. The solenoid valve can cooperate with different circuits to achieve the desired control, and the accuracy and flexibility of the control can be guaranteed.

Solenoid valve selection should first follow the four principles of safety, reliability, applicability, and economy, followed by on-site working conditions in six aspects (that is, pipeline parameters, fluid parameters, pressure parameters, electrical parameters, action methods, Special requirements to choose).

SELECTION BASIS

1. Select the solenoid valve according to the pipeline parameters: diameter specification (ie DN), interface mode

- ① Determine the diameter (DN) size according to the on-site pipeline inner diameter size or flow requirements;
- ② Interface method, generally >DN50 should choose flange interface, ≤DN50 can be freely selected according to user needs.

2. Select the solenoid valve according to the fluid parameters: material, temperature group

- ① Corrosive fluid: Corrosion-resistant solenoid valve and all stainless steel should be selected;
Edible ultra-clean fluid: Food-grade stainless steel solenoid valve should be selected;
- ② High-temperature fluids: Solenoid valves made of high-temperature resistant electrical materials and sealing materials should be selected, and the piston type should be selected;
- ③ Fluid state: large to gaseous, liquid or mixed state, especially when the diameter is greater than DN25, it must be distinguished;
- ④ Fluid viscosity: usually below 50cSt, it can be arbitrarily selected. If this value is exceeded, a high viscosity solenoid valve should be used.

3. Selection of solenoid valves according to pressure parameters: principles and structural varieties

- ① Nominal pressure: The meaning of this parameter is the same as that of other general valves, and it is determined according to the nominal pressure of the pipeline;
- ② Working pressure: If the working pressure is low, you must choose the direct-acting or step-by-step direct-acting principle; when the minimum working pressure difference is above 0.04Mpa, direct-acting, step-by-step direct-acting, and pilot-type can be selected.

4. Electrical selection: The voltage specifications should be preferred to AC220V and DC24 as far as possible.

5. Choose according to the length of continuous working time: normally closed, normally open, or sustainable power

- ① When the solenoid valve needs to be opened for a long time, and the duration is longer than the closing time, the normally open type should be selected;
- ② If the opening time is short or the opening and closing time is not much, choose the normally closed type;
- ③ However, some working conditions for safety protection, such as furnace and kiln flame monitoring, cannot be selected as normally open, and long-term electrification type should be selected.

6. Choose auxiliary functions according to the environment: explosion-proof, check, manual, waterproof fog, water shower, diving.

SELECTION PRINCIPLE

Safety:

- 1. **Corrosive media:** plastic king solenoid valve and all stainless steel should be selected; for strongly corrosive media, isolation diaphragm type must be used. For the neutral medium, the solenoid valve with copper alloy as the material of the valve shell should also be selected. Otherwise, rust debris often falls off in the valve shell, especially in the occasion of infrequent movement. The valve for ammonia cannot use copper.
- 2. **Explosive environment:** the corresponding explosion-proof products must be selected, and waterproof and dustproof products should be selected for outdoor installation or dusty occasions.
- 3. **Pressure:** The nominal pressure of the solenoid valve should exceed the maximum working pressure in the pipe.

Applicability:

- 1. **Medium characteristics:** different types of solenoid valves are selected for the quality gas, liquid state or mixed state;
the medium temperature should be selected within the allowable range of the solenoid valve.
- 2. **Pipeline parameters:** select the valve port and model according to the requirements of the medium flow direction and pipeline connection;
- 3. **Environmental conditions:** the highest and lowest temperature of the environment should be selected within the allowable range;
Choose different valves for different environments, such as: waterproof / anti-corrosion / explosion-proof, etc.
- 4. **Power condition:** AC and DC solenoid valves are selected according to the type of power supply.

电磁阀是用电磁控制的工业设备，是用来控制流体的自动化基础元件，属于执行器，并不限于液压、气动。用在工业控制系统中调整介质的方向、流量、速度和其他的参数。电磁阀可以配合不同的电路来实现预期的控制，而控制的精度和灵活性都能够保证。

电磁阀选型首先应该依次遵循安全性，可靠性，适用性，经济性四大原则，其次是根据六个方面的现场工况（即管道参数、流体参数、压力参数、电气参数、动作方式、特殊要求进行选择）。

选型依据

1、 根据管道参数选择电磁阀的： 通径规格（即DN）、接口方式

- ① 按照现场管道内径尺寸或流量要求来确定通径（DN）尺寸；
- ② 接口方式，一般>DN50要选择法兰接口，≤DN50则可根据用户需要自由选择。

2、根据流体参数选择电磁阀的：材质、温度组

- ① 腐蚀性流体：宜选用耐腐蚀电磁阀和全不锈钢；食用超净流体：宜选用食品级不锈钢材质电磁阀；
- ② 高温流体：要选择采用耐高温的电工材料和密封材料制造的电磁阀，而且要选择活塞式结构类型的；
- ③ 流体状态：大至有气态，液态或混合状态，特别是口径大于DN25时一定要区分开来；
- ④ 流体粘度：通常在50cSt以下可任意选择，若超过此值，则要选用高粘度电磁阀。

3、根据压力参数选择电磁阀的：原理和结构品种

- ① 公称压力：这个参数与其它通用阀门的含义是一样的，是根据管道公称压力来定；
- ② 工作压力：如果工作压力低则必须选用直动或分步直动式原理；最低工作压差在0.04Mpa以上时直动式、分步直动式、先导式均可选用。

4、电气选择：电压规格应尽量优先选用AC220V、DC24较为方便。

5、根据持续工作时间长短来选择：常闭、常开、或可持续通电

- ① 当电磁阀需要长时间开启，并且持续的时间多于关闭的时间应选 用常开型；
- ② 要是开启的时间短或开和关的时间不多时，则选常闭型；
- ③ 但是有些用于安全保护的工况，如炉、窑火焰监测，则不能选常开的，应选可长期通电型。

6、根据环境要求选择辅助功能：防爆、止回、手动、防水雾、水淋、潜水。

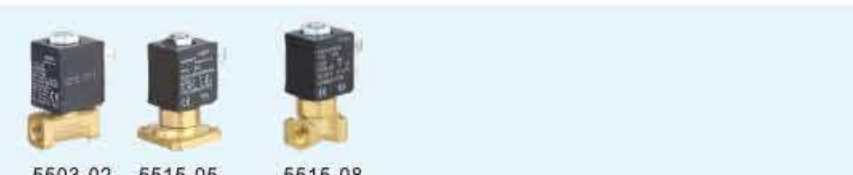
选型原则

安全性:

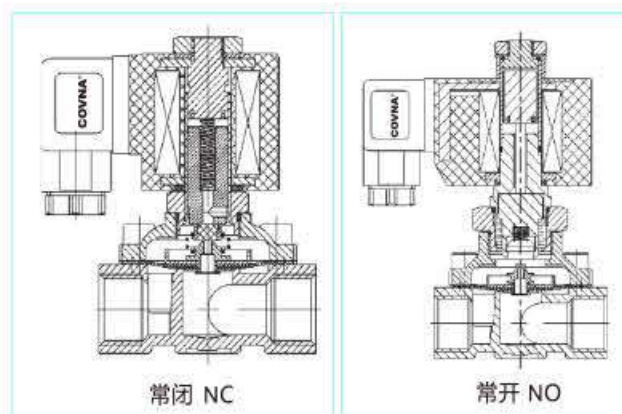
- 1、腐蚀性介质：宜选用塑料王电磁阀和全不锈钢；对于强腐蚀的介 质必须选用隔离膜片式。中性介质， 也宜选用铜合金为阀壳材料的电磁阀，否则，阀壳中常有锈屑脱落，尤其是动作不频繁的场所。氨用阀则不能采用铜材。
- 2、爆炸性环境：必须选用相应防爆等级产品，露天安装或粉尘多场合应选用防水，防尘品种。
- 3、电磁阀公称压力应超过管内最高工作压力。

适用性:

- 1、介质特性 质气，液态或混合状态分别选用不同品种的电磁阀；介质温度应选在电磁阀允许范围之内。
- 2、管道参数 根据介质流向要求及管道连接方式选择阀门通口及型号；流量和阀门Kv值选定公称通径，也可选同管道内径；
- 3、环境条件 环境的最高和最低温度应选在允许范围之内；不同的环境选择不周的阀门，如：防水 / 防腐 / 防爆 等
- 4、电源条件 根据供电电源种类，分别选用交流和直流电磁阀。电压规格用尽量优先选用AC220V.DC24V；
- 5、控制精度 普通电磁阀只有开、关两个位置，在控制精度要求高和参数要求平稳时需选用多位电磁阀；

应用范围
APPLICATION RANGE推荐型号
RECOMMENDED MODEL水、气阀
Water and Air
Valve蒸汽阀
Steam Valve高压阀
High Pressure
Valve煤气阀
Gas Valve自动排水阀
Automatic Drain
Valve防腐阀
Anti-corrosion
Valve喷泉阀
Fountain valve三通阀
Three-way Valve饮水机阀
Valves for Water
Dispenser小家电阀
Valves For
Small Appliances

特征 Characteristic	1.直拉膜片式 2.零压力启动, 适合低压系统	
	1. Direct Lifting 2. Zero pressure start, Suitable for low pressure system	
介质 Medium	空气, 煤气, 水, 油等 Air, gas, water, oil, etc.	
流体温度 Temperature	丁腈橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V- VITON: -10°C~120°C	
压力 Pressure	2W: 0~1.0MPa 2W21: 0~1.0MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2" 法兰 Flange: 1/2"~4"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
口径(mm) Orifice(mm)	12, 15, 20, 25, 32, 40, 50	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y32B, 40VA(AC), 18W(DC), IP65, 100%ED Y42B, 50VA(AC), 20W(DC), IP65, 100%ED S51B, 30VA(AC), 24W(DC), IP65, 100%ED S61B, 28VA(AC), 36W(DC), IP65, 100%ED	
材料 Material	阀体 Body	不锈钢/黄铜/PVC SUS, Brass, PVC
	密封件 Seal	丁腈橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper

带灯透明
接线盒
Lighted
junction box普通黑色
接线盒
Ordinary black
junction box

2W系列, 常闭NC, Y32B / Y42B线圈 2W Series Normally Closed, Y32B / Y42B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC(40VA)	DC(18W)			
2W X X X X	3/8"	12	4.5	0.0MPa	1.0MPa	1.0MPa	丁腈橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel PVC	Y32B
2W X X X X	1/2"	15	4.5	0.0MPa	1.0MPa	1.0MPa			Y32B
2W X X X X	3/4"	20	9.3	0.0MPa	1.0MPa	1.0MPa			Y32B
2W X X X X	1"	25	12	0.0MPa	1.0MPa	1.0MPa			Y32B
					AC(50VA)	DC(20W)			
2W X X X X	1 1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			Y42B
2W X X X X	1 1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			Y42B
2W X X X X	2"	50	48	0.0MPa	1.0MPa	1.0MPa			Y42B

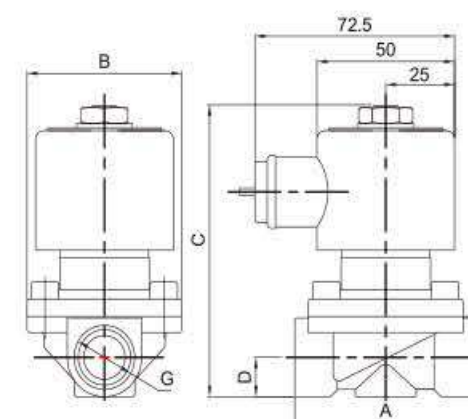
2W21 系列, 常闭NC, S51B / S61B 线圈 2W21 Series Normally Closed, S51B / S61B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC(30VA)	DC(24W)			
2W21 X X X X	3/8"	12	4.5	0.0MPa	1.0MPa	1.0MPa	丁腈橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel PVC	S51B
2W21 X X X X	1/2"	15	4.5	0.0MPa	1.0MPa	1.0MPa			S51B
2W21 X X X X	3/4"	20	9.3	0.0MPa	1.0MPa	1.0MPa			S51B
2W21 X X X X	1"	25	12	0.0MPa	1.0MPa	1.0MPa			S51B
					AC(28VA)	DC(36W)			
2W21 X X X X	1 1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			S61B
2W21 X X X X	1 1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			S61B
2W21 X X X X	2"	50	48	0.0MPa	1.0MPa	1.0MPa			S61B

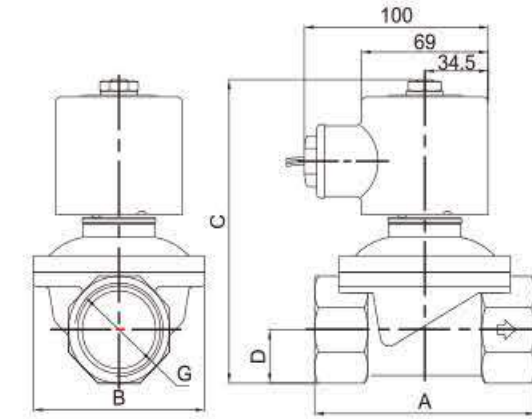
型号编制方式 Determine Valve Body Code

型号 Type	口径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
2W 2W21	12、15、20、25 32、40、50	G-G/BSPP G螺纹/BSPP螺纹 N-NPT thread NPT螺纹 F-Flange 法兰	B-Brass 黄铜 S-Stainless steel 不锈钢 P-UPVC	N-NBR 丁腈橡胶 E-EPDM 三元乙丙 V-VITON 氟橡胶	Y32B Y42B S51B S61B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

举例: 2W GSN Y32B系列, 常开NO, 32MM口径, G螺纹 1-1/4", 不锈钢阀体, 丁腈橡胶密封件, 线圈型号Y32B, AC220V电压, 接线盒连接。
EXMAPLE: 2W SERIES, NO, 32MM ORIFICE, 1-1/4"G, STAINLESS BODY, NBR SEAL, COIL S32B, AC220V, DIN

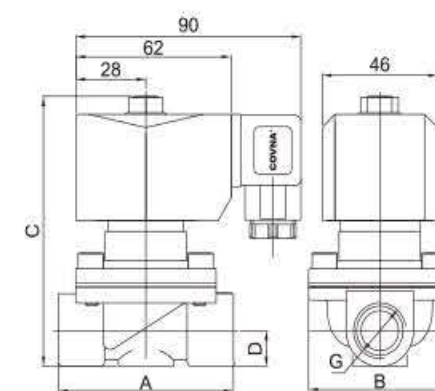


2W 螺纹连接 Thread DN10-DN25

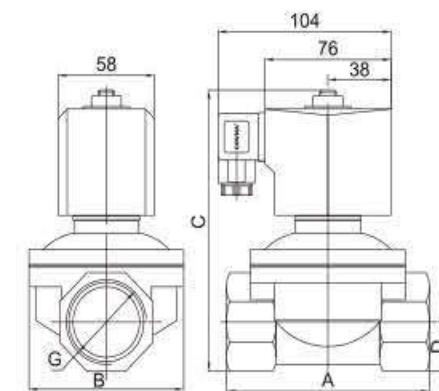


2W 螺纹连接 Thread DN32-DN50

尺寸 size	2W-10	2W-15	2W-20	2W-25	2W-32	2W-40	2W-50
A	68	68	68	97	115	122	166
B	56	56	56	76	86	93	118.5
C	常开 NO	95	115	120	127	153	180
	常闭 NC	92	112	117	123	153	180
D	13.5	13.5	16.5	20	24	28	36

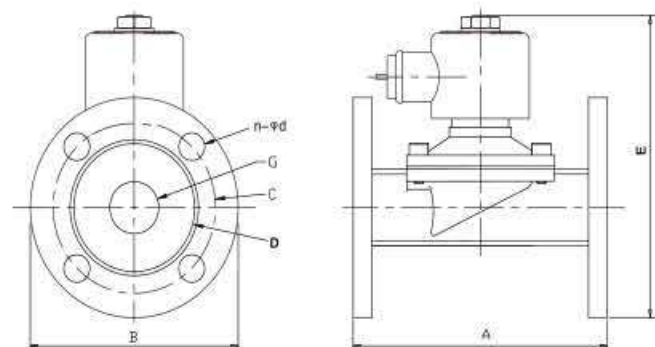
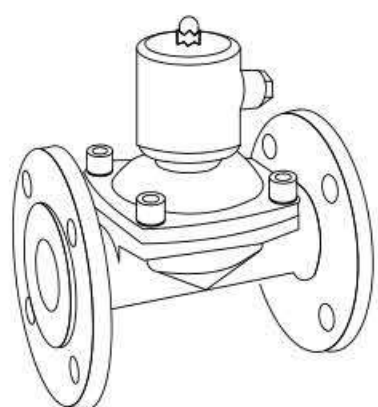


2W21 螺纹连接 Thread DN10-DN25

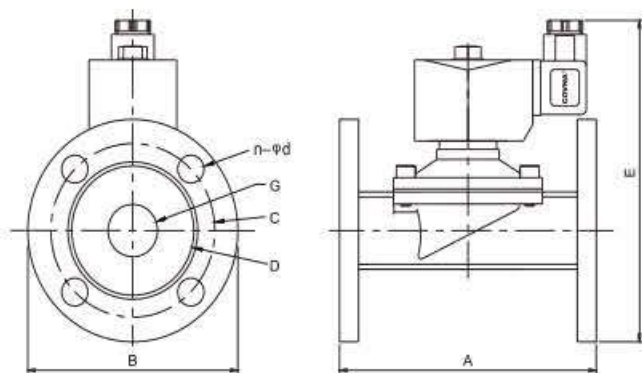
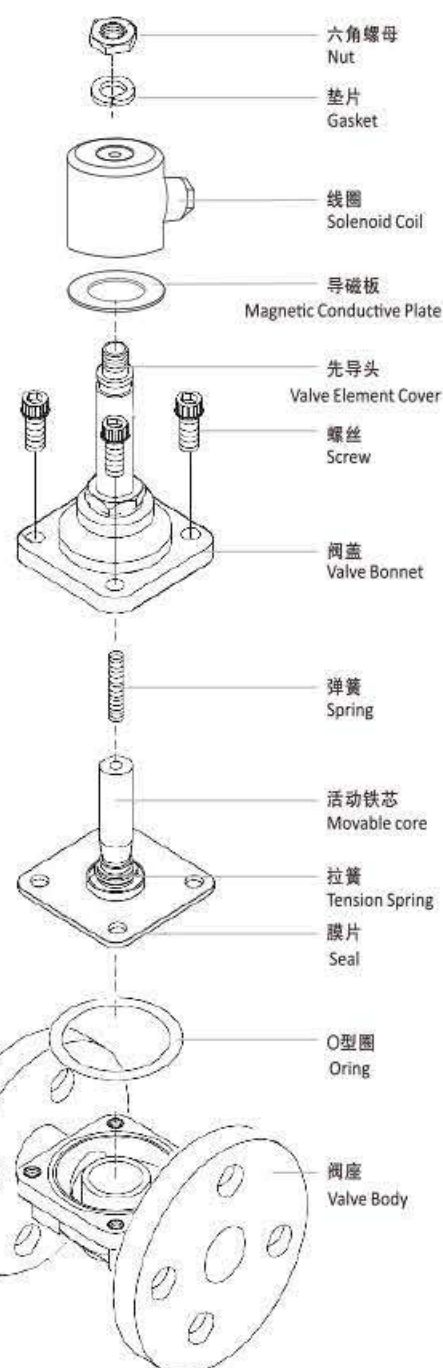


2W21 螺纹连接 Thread DN32-DN50

尺寸 size	2W21-10	2W21-15	2W21-20	2W21-25	2W21-32	2W21-40	2W21-50
A	68	68	68	97	115	122	166
B	56	56	56	76	86	93	118.5
C	常开	110	120	128	135	148	182
	常闭	100	110	117	125	148	182
D	13.5	13.5	16.5	20	24	28	36

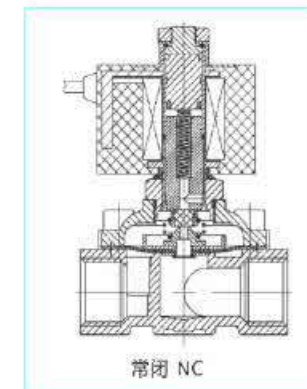
2W-F系列法兰电磁阀尺寸图
Size Drawing For 2W-F Series Flange Solenoid Valve

尺寸 size	A	B	C	D	n-φd	E	
						NO	NC
2W-F-15	101	φ95	φ65	φ45	4-φ14	145	135
2W-F-20	103	φ105	φ75	φ55	4-φ14	157	147
2W-F-25	133	φ115	φ85	φ65	4-φ14	162	152
2W-F-32	142.5	φ140	φ100	φ78	4-φ18	185	185
2W-F-40	152	φ150	φ110	φ85	4-φ18	200	200
2W-F-50	178	φ165	φ125	φ100	4-φ18	212	212
2W-F-65	255	φ185	φ145	φ120	4-φ18	245	245
2W-F-80	275	φ200	φ160	φ135	8-φ18	280	280
2W-F-100	342	φ235	φ180	φ155	8-φ18	330	330

2W21-F系列法兰电磁阀尺寸图
Size Drawing For 2W21-F Series Flange Solenoid Valve

尺寸 size	A	B	C	D	n-φd	E	
						NO	NC
2W21-F-15	101	φ95	φ65	φ45	4-φ14	150	140
2W21-F-20	103	φ105	φ75	φ55	4-φ14	164	154
2W21-F-25	133	φ115	φ85	φ65	4-φ14	172	162
2W21-F-32	142.5	φ140	φ100	φ78	4-φ18	198	198
2W21-F-40	152	φ150	φ110	φ85	4-φ18	208	208
2W21-F-50	178	φ165	φ125	φ100	4-φ18	220	220
2W21-F-65	255	φ185	φ145	φ120	4-φ18	245	245
2W21-F-80	275	φ200	φ160	φ135	8-φ18	280	280
2W21-F-100	342	φ235	φ180	φ155	8-φ18	330	330

特征 Characteristic	1.直拉膜片式 2.零压力启动, 适合低压系统
	1. Direct Lifting 2. Zero pressure start, Suitable for low pressure system
介质 Medium	空气, 煤气, 水, 油等 Air, gas, water, oil, etc.
流体温度 Temperature	丁腈橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V-VITON: -10°C~120°C
压力 Pressure	0~1.0MPa
连接尺寸 Port Size	螺纹 Thread: 3/8"~2"
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE
通径(mm) Orifice	12, 15, 20, 25, 32, 40, 50
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz
范围 Tolerance	±10%
线圈 Coils	S91B,22VA(AC),17W(DC),IP65,100%ED S92B,22VA(AC),17W(DC),IP65,100%ED S61B,28VA(AC),36W(DC),IP65,100%ED
材料 Material	阀体 Body 不锈钢/黄铜/PVC SUS,Brass,PVC
	密封件 Seal 丁腈橡胶/三元乙丙/氟橡胶 NBR,EPDM,VITON
	隔磁管 Armature Tube 不锈钢 Stainless Steel 304
	动铁芯 Plunger 不锈钢 Stainless Steel 430F
	静铁芯 Stop 不锈钢 SS 430F
	弹簧 Springs 不锈钢 SS 304
	分磁环 Shading Rings 紫铜 Copper



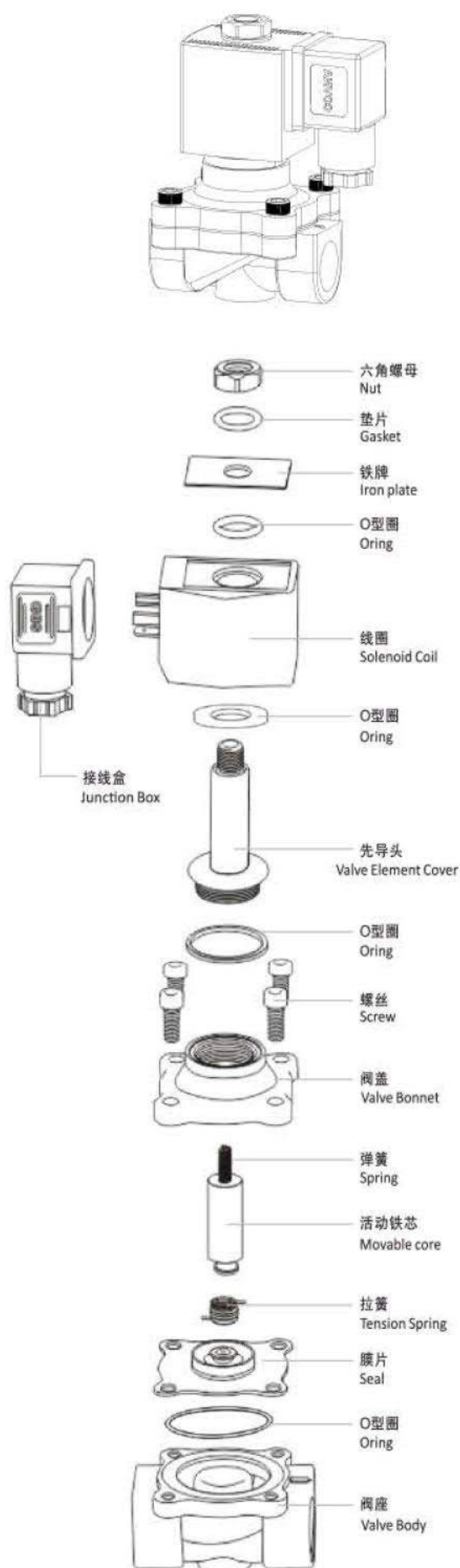
型号编制方式 Determine Valve Body Code

型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
2W31-A 2W31-B	12、15、20、25 32、40、50	G-G/BSP G螺纹/BSP螺纹 N-NPT thread NPT螺纹 F-Flange 法兰	B-Brass 黄铜 S-Stainless steel 不锈钢 P-PVC	N-NBR 丁腈橡胶 E-EPDM 三元乙丙 V-VITON 氟橡胶	S91B S92B S61B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

举例: 2W31 GSN S91B系列, 25mm通径, G螺纹1", 不锈钢阀体, 丁腈橡胶密封件, 线圈型号S91B,AC220V电压, 接线盒连接。
EXMAPLE: 2W31 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, NBR SEAL, COIL S91B, AC220V, DIN

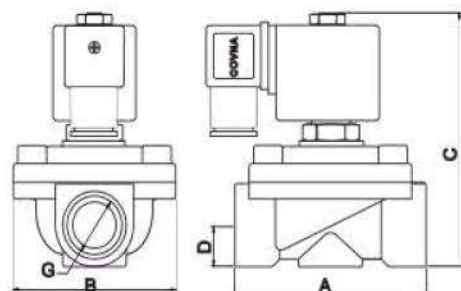
2W31 系列, 常闭NC, S91B / S61B线圈 2W31 Series Normally Closed, S91B /S61B Coil

尺寸 Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC(22VA)	DC(17W)			
2W31 XXXX	3/8"	12	4.5	0.0MPa	1.0MPa	1.0MPa	丁腈橡胶 NBR	黄铜 Brass	S91B/S92B
2W31 XXXX	1/2"	15	4.5	0.0MPa	1.0MPa	1.0MPa			S91B/S92B
2W31 XXXX	3/4"	20	9.3	0.0MPa	1.0MPa	1.0MPa			S91B/S92B
2W31 XXXX	1"	25	12	0.0MPa	1.0MPa	1.0MPa			S91B/S92B
					AC(28VA)	DC(36W)	三元乙丙 EPDM 氟橡胶 VITON	不锈钢 stainless steel PVC	
2W31 XXXX	1 1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			S91B
2W31 XXXX	1 1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			S91B
2W31 XXXX	2"	50	48	0.0MPa	1.0MPa	1.0MPa			S91B



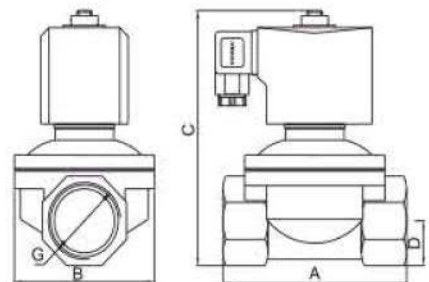
2W31A系列电磁阀S92B尺寸图
Size Drawing For 2W31A Series Solenoid Valve S92B Coil

Size	2W31A-15	2W31A-20	2W31A-25
A	66	66	86
B	50	50	61
C	95	101	107
D	13.5	16.5	20



2W31B系列电磁阀S91B线圈尺寸图
Size Drawing For 2W31B Series Solenoid Valve S91B Coil

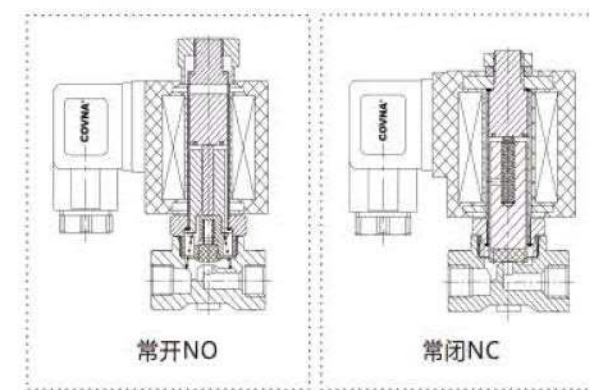
Size	2W31B-10	2W31B-15	2W31B-20	2W31-25
A	68	66	68	97
B	56	56	56	76
C	95	110	117	125
D	13.5	13.5	16.5	20



2W31B系列电磁阀S61B线圈尺寸图
Size Drawing For 2W31B Series Solenoid Valve S61B Coil

Size	2W31-32	2W31-40	2W31-50
A	110	114	154
B	86	93	118.5
C	148	157	182
D	24	28	36

特征 Characteristic	1.直动式结构，零压启动，低功率 2.紧凑型结构节省空间 1. Direct acting mini construction at low power consumption 2. Compact design to save the space	
介质 Medium	空气，煤气，水，油等 Air, gas, water, oil, etc.	
流体温度 Temperature	丁腈橡胶 N-NBR: -5°C~80°C 氟橡胶 V- VITON: -10°C~120°C 聚四氟乙烯 PTFE: -20°C~180°C	
压力 Pressure	0~1.6MPa	
连接尺寸 Port Size	1/8", 1/4", 3/8"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	1.0, 1.6, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S91B,22VA(AC),17W(DC),IP65,100%ED S92B,22VA(AC),17W(DC),IP65,100%ED	
材料 Material	阀体 Body	不锈钢/黄铜/PVC SUS/Brass/PVC
	密封件 Seal	丁腈橡胶/氟橡胶/聚四氟乙烯 NBR,VITON,PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



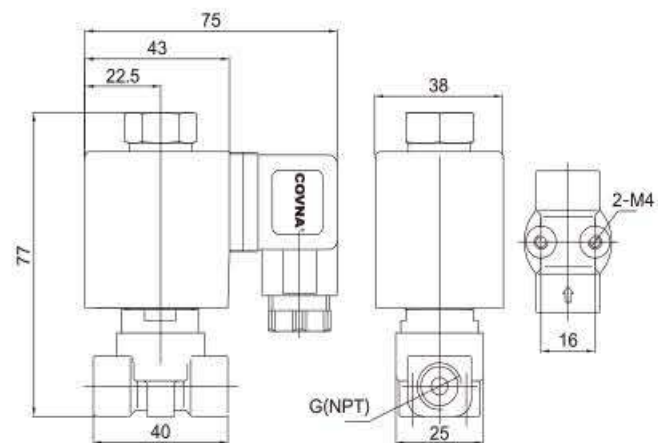
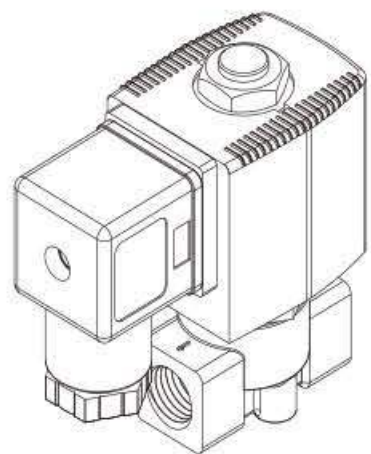
型号编制方式 Determine Valve Body Code

型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HK02	1/8" 1/4" 3/8"	G - G/BSP G螺纹/BSP螺纹 N - NPT thread NPT螺纹	B - Brass 黄铜 S - Stainless steel 不锈钢 P - PVC	N-NBR 丁腈橡胶 V-VITON 氟橡胶 P-PTFE 聚四氟乙烯	S91B S92B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

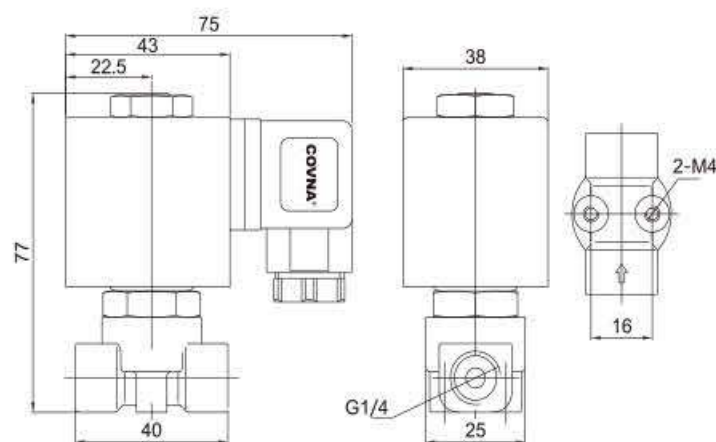
举例: HK02 GSN S91B系列, 1/4"通径, G螺纹1/4", 不锈钢阀体, 丁腈橡胶密封件, 线圈型号S91B, AC220V电压, 接线盒连接。
EXMAPLE: HK02 SERIES, 08MM ORIFICE, 1/4"G, STAINLESS BODY, NBR SEAL, COIL S91B, AC220V, DIN

HK02 常闭NC, S91B/S92B线圈 HK02 Series Normally Closed, S91B/S92B Coil

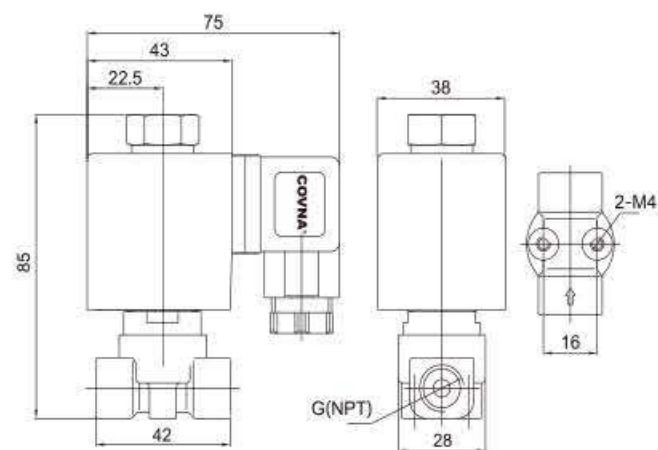
Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure	密封材料 Sealing Material	线圈 Coils
HK02-06	1/8"	1.0	0.10	0.00MPa	2.5MPa	丁腈橡胶 N-NBR: -5°C~80°C 氟橡胶 V-VITON: -10°C~120°C 聚四氟乙烯 PTFE: -20°C~180°C	S91B S92B
HK02-06	1/8"	1.6	0.11	0.00MPa	1.6MPa		
HK02-06	1/8"	2.5	0.18	0.00MPa	1.6MPa		
HK02-08	1/4"	2.5	0.18	0.00MPa	1.6MPa		
HK02-10	3/8"	2.5	0.18	0.00MPa	1.6MPa		
HK02-10	3/8"	3.8	0.5	0.00MPa	1.6MPa		



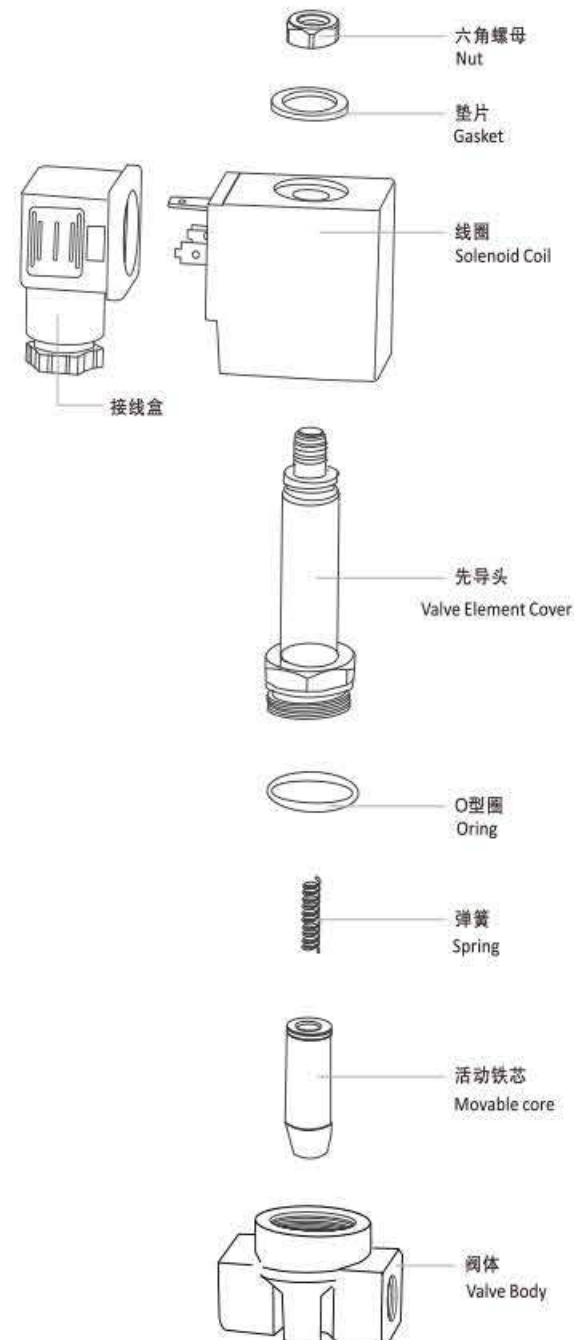
HK02-1/8G(N)



HK02-1/4G(N)



HK02-3/8G(N)



特征 Characteristic	1.先导膜片式，低功率，适合长时间工作 2.开启压力0.3公斤 Pilot operated diaphragm construction with less power consumption for longtime working. Applied to pressure system opened from 0.3 bar	
介质 Medium	空气，煤气，水，油等 Air, gas, water, oil, etc.	
流体温度 Temperature	丁腈橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V- VITON: -10°C~120°C	
压力 Pressure	0.03~1.6MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2", 法兰 Flange: 1/2"~8"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
通径(mm) Orifice	10, 15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150, 200	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S91B,22VA(AC),17W(DC),IP65,100%ED	
材料 Material	阀体 Body	黄铜/不锈钢 Brass, Stainless Steel
	密封件 Seal	丁腈橡胶/三元乙丙/氟橡胶 NBR,EPDM,VITON
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



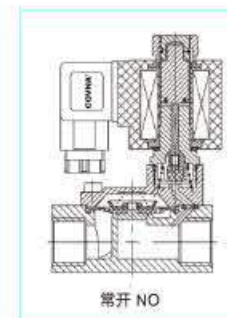
HK07-FS



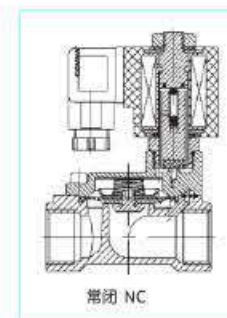
HK07-S



HK07



常开 NO



常闭 NC

型号编制方式 Determine Valve Body Code

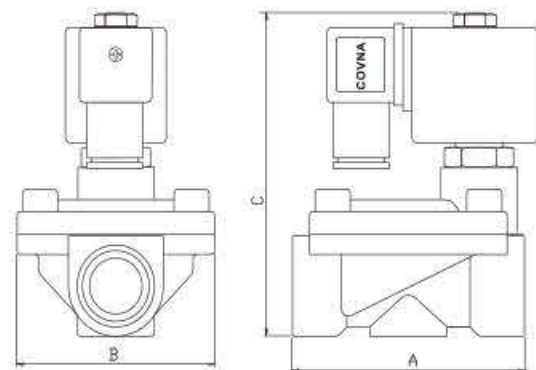
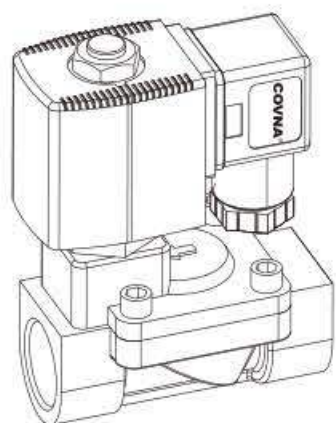
型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HK07	12、15、20、25 32、40、50、65 80、100、125、150	G - G/BSP G螺纹/BSP螺纹 N - NPT thread NPT螺纹 F - Flange 法兰	B - Brass 黄铜 S - Stainless steel 不锈钢	N-NBR 丁腈橡胶 E-EPDM 三元乙丙 V-VITON 氟橡胶	S91B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

举例：HK07 GSN S91B系列，25mm通径，G螺纹1"，不锈钢阀体，丁腈橡胶密封件，线圈型号S91B, AC220V电压，接线盒连接。

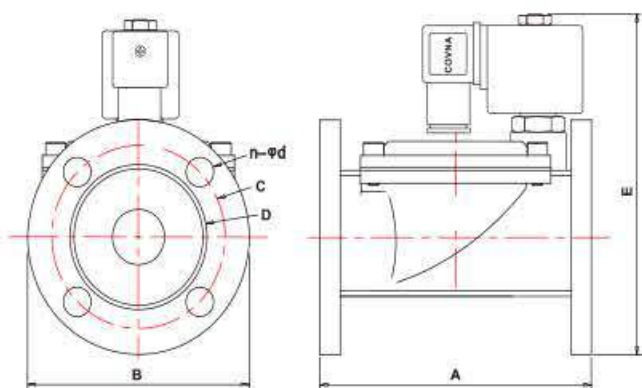
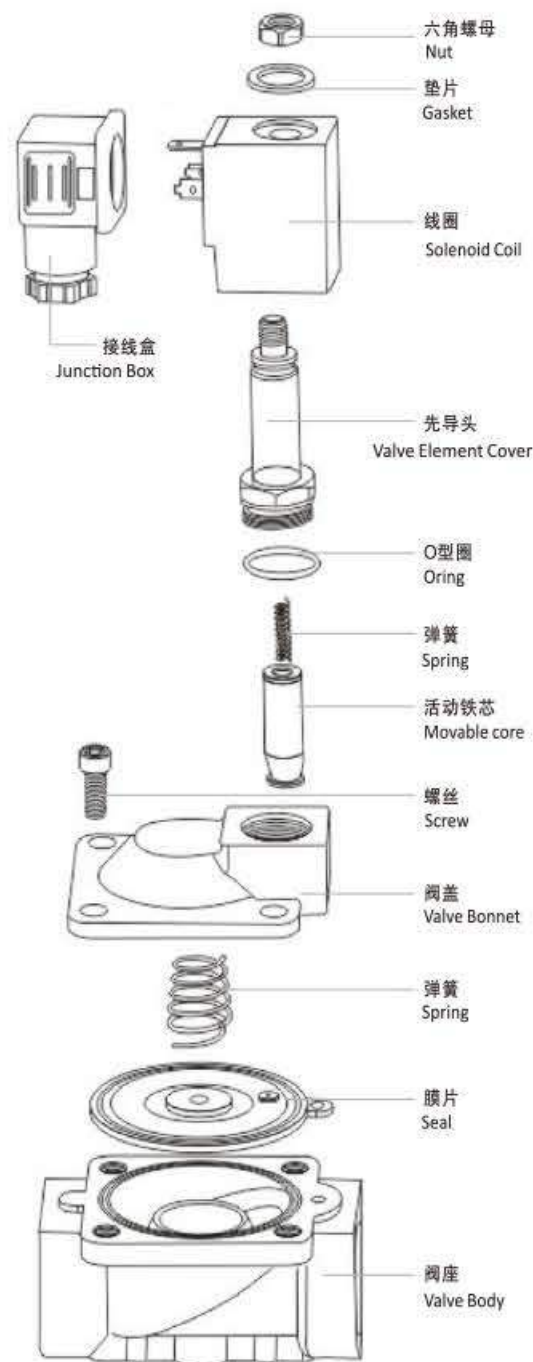
EXMAPLE: HK07 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, NBR SEAL, COIL S91B, AC220V, DIN

HK07系列, 常闭NC, S91B 线圈 HK07 Series Normally Closed, S91B Coil

型 号	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	阀体材料 Body Material	线圈 Coils
					AC(22VA)	DC(17W)			
HK07-12	3/8	12	4.5	0.03MPa	1.6MPa	1.6MPa	丁腈橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel	S91B
HK07-15	1/2"	15	4.5	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-20	3/4"	20	9.3	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-25	1"	25	12	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-32	1 1/4"	32	24	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-40	1 1/2"	40	29	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-50	2"	50	48	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-65	F2 1/2"	65	68	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-80	F3"	80	100	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-100	F4"	100	175	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-125	F5"	125	200	0.03MPa	1.6MPa	1.6MPa			S91B
HK07-150	F6"	150	250	0.03MPa	1.6MPa	1.6MPa			S91B

HK07系列电磁阀尺寸图
Size Drawing For HK07 Series Solenoid Valve

Size	A	B	C
DN15	73	48	93
DN20	83	60	104
DN25	100	70	126
DN32	130	92	130
DN40	130	92	130
DN50	156	113	145

HK07-F系列法兰电磁阀尺寸图
Size Drawing For HK07-F Series Flange Solenoid Valve

Size	A	B	C	D	n-φd	E
DN15	86	φ95	φ65	φ45	4-φ14	140
DN20		φ105	φ75	φ55	4-φ14	
DN25		φ115	φ85	φ65	4-φ14	
DN32		φ140	φ100	φ78	4-φ18	
DN40	141	φ150	φ110	φ84	4-φ18	244
DN50	158	φ165	φ125	φ94	4-φ18	250
DN65	290	φ185	φ145	φ118	4-φ18	260
DN80	310	φ200	φ160	φ132	8-φ18	285
DN100	350	φ220	φ180	φ156	8-φ18	317
DN125	400	φ250	φ210	φ184	8-φ18	365
DN150	480	φ285	φ240	φ211	8-φ23	400
DN200	600	φ340	φ295	φ266	8-φ18	443
DN250	750	φ395	φ350	φ319	12-φ26	493
DN300	850	φ445	φ400	φ370	12-φ26	549

特征 Characteristic	1.直拉活塞式结构 2.0.3Bar启动, 适合低压系统 3.根据客户场景特殊定制 1. Direct lifting diaphragm construction with high frequency 2. 0.3 Bar pressure start, Suitable for low pressure system 3. Special customization according to customer scenarios
介质 Medium	蒸汽, 热水, 油等 Steam and Hot Water, Oil, etc.
流体温度 Temperature	聚四氟乙烯 P-PTFE: -20°C~180°C 聚醚醚酮 PEEK: 20°C~300°C
压力 Pressure	1.0MPa, 1.6MPa, 2.5MPa
连接尺寸 Port Size	螺纹 Thread: 3/8"~2", 法兰 Flange: 1/2"~8"
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE
通径(mm) Orifice	10, 15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150, 200
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz
范围 Tolerance	±10%
线圈 Coils	Y32B, 40VA(AC), 18W(DC), IP65, 100%ED Y42B, 50VA(AC), 20W(DC), IP65, 100%ED S51B, 30VA(AC), 24W(DC), IP65, 100%ED S61B, 28VA(AC), 36W(DC), IP65, 100%ED
材料 Material	阀体 Body 不锈钢 Stainless Steel 密封件 Seal 聚四氟乙烯/聚醚醚酮 PTFE, PEEK 隔磁管 Armature Tube 不锈钢 Stainless Steel 304 动铁芯 Plunger 不锈钢 Stainless Steel 430F 静铁芯 Stop 不锈钢 SS 430F 弹簧 Springs 不锈钢 SS 304 分磁环 Shading Rings 紫铜 Copper

HK08A 高温款
HK08A High temperatureHK08A-F 高温款
HK08A-F High temperatureHK08B 高温高压款
High temperature and high pressureHK08B-F 高温高压款
High temperature and high pressure带灯透明
接线盒
Lighted
junction box普通黑色
接线盒
Ordinary black
junction box

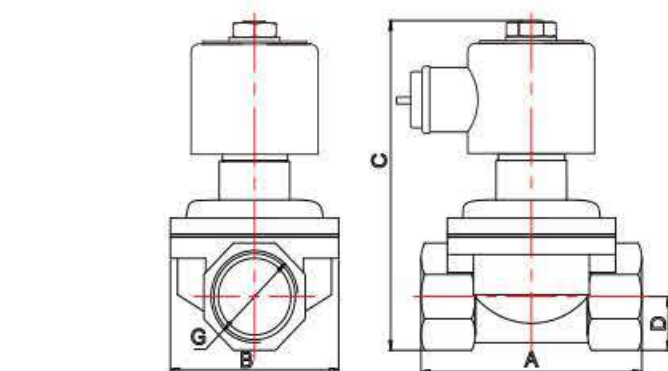
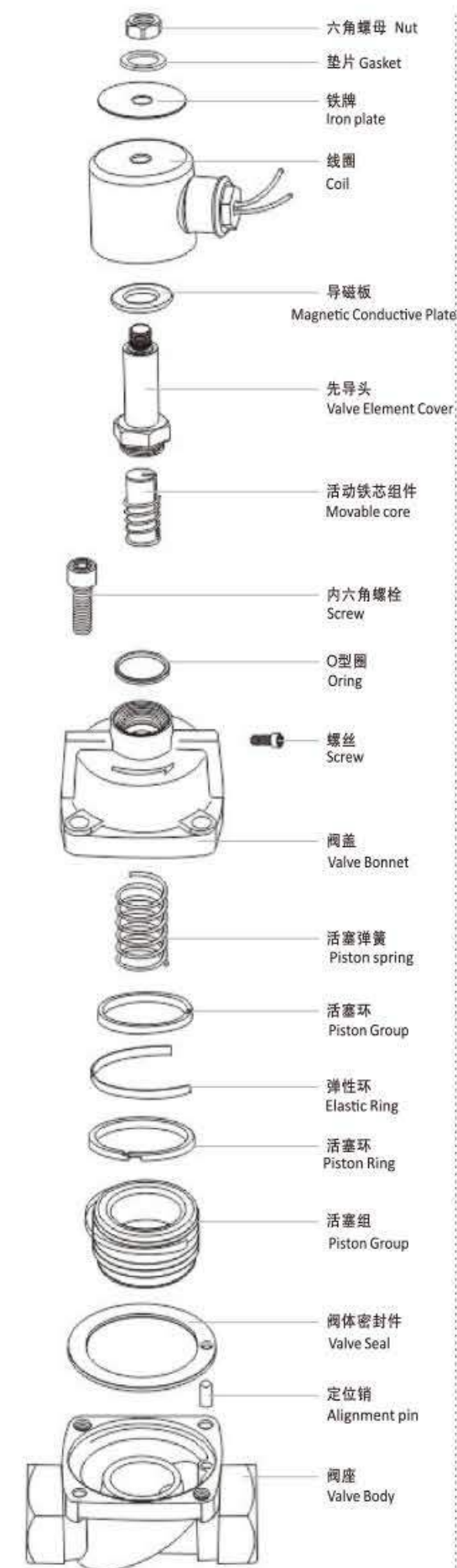
型号编制方式 Determine Valve Body Code

型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HK08	12、15、20、25 32、40、50、65 80、100、125、150	G - G/BSP G螺纹/BSP螺纹 N - NPT thread NPT螺纹 F - Flange 法兰	S - Stainless steel 不锈钢	P-PTFE 聚四氟乙烯 PEEK 聚醚醚酮	Y32B Y42B S51B S61B	1. AC220V 2. DC24V 3. AC110V 4. DC12V 5. AC24V 6. AC12V

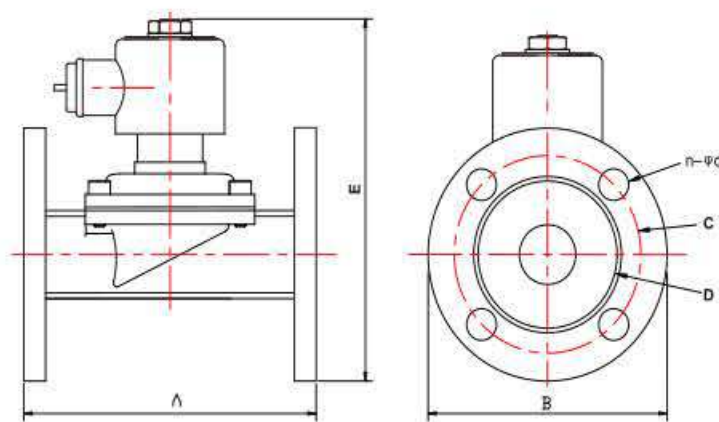
举例: HK08系列, 25mm通径, G螺纹1", 不锈钢阀体, 聚四氟乙烯密封件, 线圈型号Y32B, AC220V电压, 接线盒连接。
EXMAPLE: HK08 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, PTFE SEAL, COIL Y32B, AC220V, DIN

HK08系列, 常闭NC, Y32B / Y42B线圈 HK08 Series Normally Closed, Y32B/Y42B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Presuure AC(40VA) DC(18W)	密封材料 Sealing Material	阀体材料 Body Material	线圈 Coils
HK08 XXXX	3/8"	12	4.5	0.03MPa	1.0MPa	聚四氟乙烯PTFE 聚醚醚酮PEEK	不锈钢 S-stainless steel	Y32B
HK08 XXXX	1/2"	15	4.5	0.03MPa	1.0MPa			Y32B
HK08 XXXX	3/4"	20	9.3	0.03MPa	1.0MPa			Y32B
HK08 XXXX	1"	25	12	0.03MPa	1.0MPa			Y32B
HK08 XXXX	1 1/4"	32	24	0.03MPa	1.0MPa			Y42B
HK08 XXXX	1 1/2"	40	29	0.03MPa	1.0MPa			Y42B
HK08 XXXX	2"	50	48	0.03MPa	1.0MPa			Y42B
HK08 XXXX	F 1"	25	12	0.03MPa	1.0MPa			Y42B
HK08 XXXX	F 1 1/4"	32	24	0.03MPa	1.0MPa			Y42B
HK08 XXXX	F 1 1/2"	40	29	0.03MPa	1.0MPa			Y42B
HK08 XXXX	F 2"	50	48	0.03MPa	1.0MPa			Y42B

HK08系列电磁阀尺寸图
Size Drawing For HK08 Series Solenoid Valve

Size	G	A	B	C	D
DN15	1/2"	69	48	121	13.5
DN20	3/4"	79	55	130	16.5
DN25	1"	89.2	65	133	20
DN32	1-1/4"	110	80.5	174	24
DN40	1-1/2"	120.3	94	179	28
DN50	2"	159	143	210	36

HK08-F系列法兰电磁阀尺寸图
Size Drawing For HK08-F Series Flange Solenoid Valve

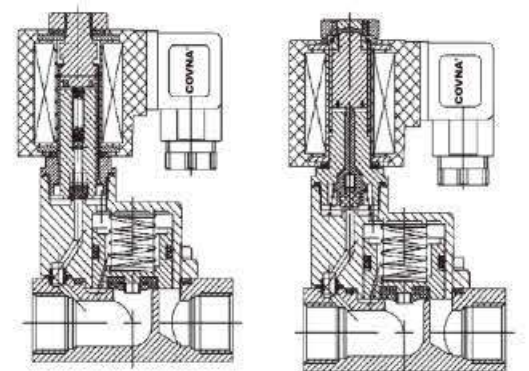
Size	G	A	B	C	D	E	n-φd
DN15	1/2"	107	φ90	φ65	φ45	120	4-φ14
DN20	3/4"	110	φ100	φ75	φ55	145	4-φ14
DN25	1"	138	φ115	φ85	φ65	165	4-φ14
DN32	1-1/4"	150	φ123	φ100	φ78	200	4-φ18
DN40	1-1/2"	160	φ140	φ110	φ85	210	4-φ18
DN50	2"	185	φ157	φ125	φ100	220	4-φ18
DN65	2-1/2"	255	φ190	φ145	φ120	245	4-φ18
DN80	3"	275	φ200	φ160	φ135	280	8-φ18
DN100	4"	342	φ225	φ180	φ155	330	8-φ18

特征 Characteristic	1.先导活塞式结构, 低功率, 适用于常时间工作的管道系统 2.蒸汽环境下密封件寿命长 Pilot operated diaphragm construction with less power consumption for longtime working. Used for long-time working in pipeline system	
介质 Medium	蒸汽, 热水, 油等 Steam, Hot Water, Oil, etc.	
流体温度 Temperature	聚四氟乙烯 P- PTFE:-20°C~180°C	
压力 Pressure	0.05MPa~1.6MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2", 法兰 Flange:1/2"~8"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
通径(mm) Orifice	10, 15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150, 200	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S21H,24VA(AC),18W(DC),IP65,100%ED	
材料 Material	阀体 Body	不锈钢/黄铜 Stainless Steel, Brass
	密封件 Seal	聚四氟乙烯 PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



HK09S

HK09



常闭 NC

常开 NO

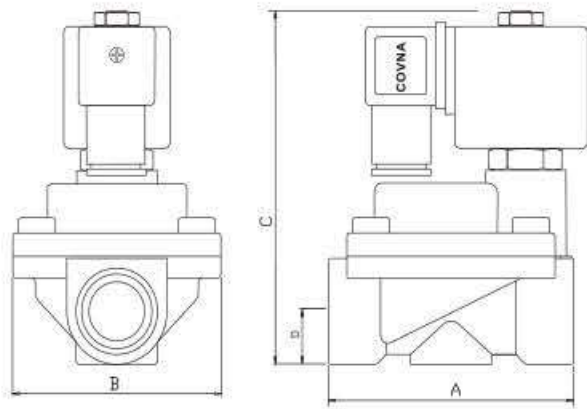
型号编制方式 Determine Valve Body Code

型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HK09	12, 15, 20, 25 32, 40, 50, 65 80, 100, 125, 150	G - G/BSP G螺纹/BSP螺纹 N - NPT thread NPT螺纹 F - Flange 法兰	B - Brass 黄铜 S - Stainless steel 不锈钢	P-PTFE 聚四氟乙烯	S21H	1. AC220V 2. DC24V 3. AC110V 4. DC12V 5. AC24V 6. AC12V

举例: HK09 GSN S21H系列, 25mm通径, G螺纹1", 不锈钢阀体, 氟橡胶密封件, 线圈型号S21H, AC220V电压, 接线盒连接。
EXMAPLE: 2W31 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, VITON SEAL, COIL S21H, AC220V, DIN

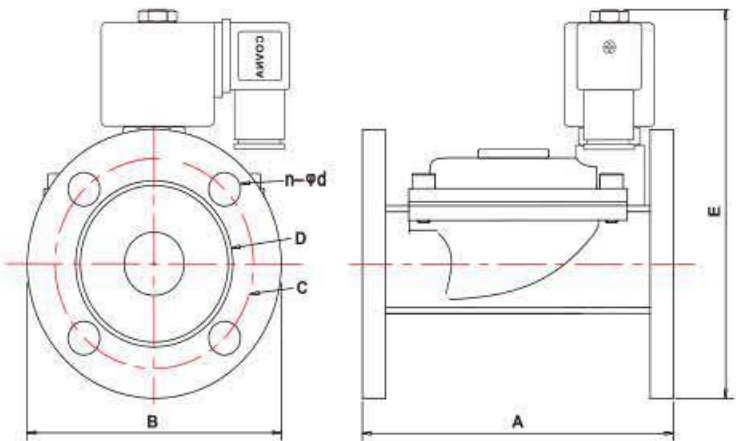
HK09系列, 常闭NC, S21H线圈 HK09 Series Normally Closed, S21H Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure AC(24VA) DC(18W)	密封材料 Sealing Material	阀体材料 Body Material	线圈 Coils
HK09XXXX	3/8"	12	4.5	0.05MPa	1.60MPa 1.60MPa	聚四氟乙烯 PTFE	黄铜 Brass 不锈钢 stainless steel	S21H
HK09XXXX	1/2"	15	4.5	0.05MPa	1.60MPa 1.60MPa			S21H
HK09XXXX	3/4"	20	9.3	0.05MPa	1.60MPa 1.60MPa			S21H
HK09XXXX	1"	25	12	0.05MPa	1.60MPa 1.60MPa			S21H
HK09XXXX	1 1/4"	32	24	0.05MPa	1.60MPa 1.60MPa			S21H
HK09XXXX	1 1/2"	40	29	0.05MPa	1.60MPa 1.60MPa			S21H
HK09XXXX	2"	50	48	0.05MPa	1.60MPa 1.60MPa			S21H
HK09FXXX	F1"	25	12	0.05MPa	1.60MPa 1.60MPa			S21H
HK09FXXX	F1 1/4"	32	24	0.05MPa	1.60MPa 1.60MPa			S21H
HK09FXXX	F1 1/2"	40	29	0.05MPa	1.60MPa 1.60MPa			S21H
HK09FXXX	F2"	50	48	0.05MPa	1.60MPa 1.60MPa			S21H



HK09系列电磁阀尺寸图
Size Drawing For HK09 Series Solenoid Valve

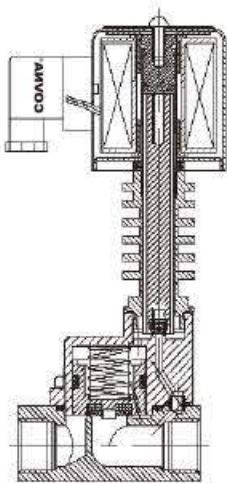
Size	G	A	B	C	D
DN10	1/2"	73	48	113	13.5
DN15	1/2"	73	48	113	13.5
DN20	3/4"	83	60	125	16.5
DN25	1"	100	72	138	20
DN32	1-1/4"	130	96	140	24
DN40	1-1/2"	130	96	140	28
DN50	2"	155	122	149	36



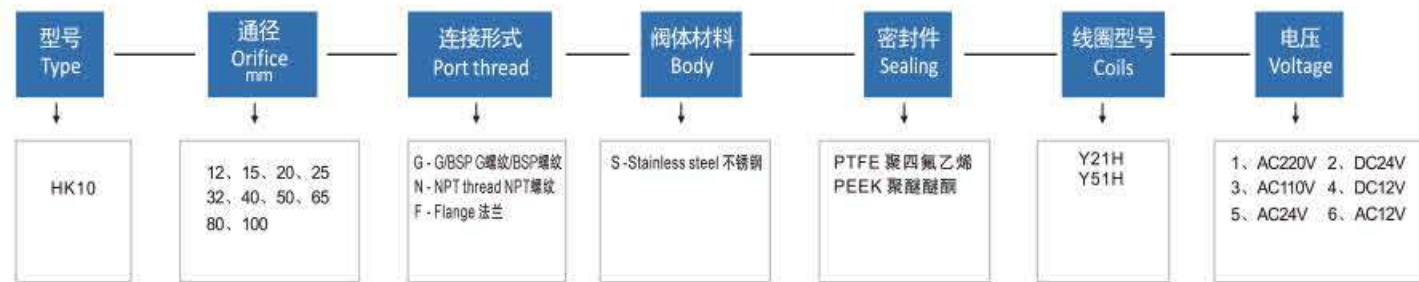
HK09-F系列法兰电磁阀尺寸图
Size Drawing For HK09-F Series Flange Solenoid Valve

Size	F	A	B	C	D	E	n-φd
DN25	1"	130	∅115	∅85	∅65	175	4-∅14
DN32	1-1/4"	160	∅140	∅100	∅78	187	4-∅18
DN40	1-1/2"	160	∅150	∅110	∅85	187	4-∅18
DN50	2"	190	∅165	∅125	∅100	200	4-∅18
DN65	2-1/2"		∅185	∅145	∅120		4-∅18
DN80	3"		∅200	∅160	∅135		8-∅18
DN100	4"		∅235	∅180	∅155		8-∅18

特征 Characteristic	1.先导活塞式结构, 低功率, 适用于常时间工作的管道系统 2.蒸汽环境下密封件寿命长 Pilot operated diaphragm construction with less power consumption for longtime working. Used for long-time working in pipeline system	
介质 Medium	蒸汽, 热水, 油等 Steam, Hot Water, Oil, etc.	
流体温度 Temperature	聚醚醚酮 PEEK: -20°C~300°C 聚四氟乙烯 P-PTFE: -20°C~180°C	
压力 Pressure	0.05MPa~1.6MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2", 法兰 Flange: 1/2"~4"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
通径(mm) Orifice	10, 15, 20, 25, 32, 40, 50, 65, 80, 100	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y21H, 28VA(AC), 22W(DC), IP65, 100%ED Y51H, 70VA(AC), 50W(DC), IP65, 100%ED	
材料 Material	阀体 Body	不锈钢 Stainless Steel
	密封件 Seal	聚醚醚酮/聚四氟乙烯 PEEK, PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



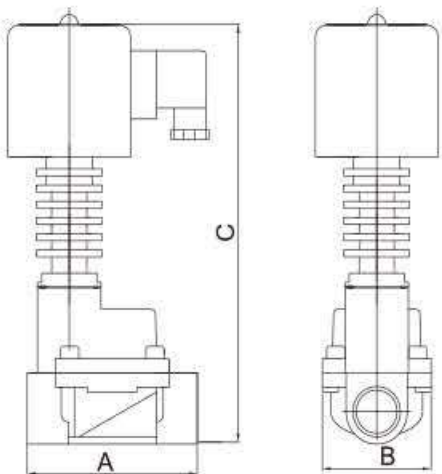
型号编制方式 Determine Valve Body Code



举例: HK10 GSN Y21HB系列, 25mm通径, G螺纹1", 不锈钢阀体, 聚四氟乙烯密封件, 线圈型号Y21H, AC220V电压, 接线盒连接。
EXMAPLE: HK10 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, PTFE SEAL, COIL Y21H, AC220V, DIN

HK10系列, 常闭NC, Y21H/Y51H线圈 HK10 Series Normally Closed, Y21H/Y51H Coil

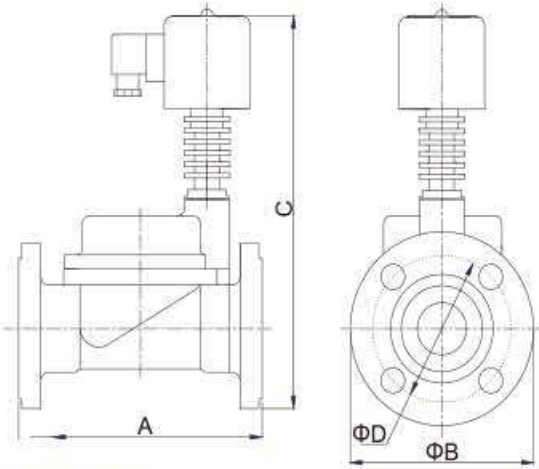
Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC(28VA)	DC(22W)			
HK10XXXX	3/8"	12	4.5	0.05MPa	1.6MPa	1.6MPa	聚四氟乙烯 PTFE 聚醚醚酮 PEEK	不锈钢 stainless steel	Y21H
HK10XXXX	1/2"	15	4.5	0.05MPa	1.6MPa	1.6MPa			Y21H
HK10XXXX	3/4"	20	9.3	0.05MPa	1.6MPa	1.6MPa			Y21H
HK10XXXX	1"	25	12	0.05MPa	1.6MPa	1.6MPa			Y21H
HK10XXXX	1 1/4"	32	24	0.05MPa	1.6MPa	1.6MPa			Y51H
HK10XXXX	1 1/2"	40	29	0.05MPa	1.6MPa	1.6MPa			Y51H
HK10XXXX	2"	50	48	0.05MPa	1.6MPa	1.6MPa			Y51H
HK10FXXX	F1"	25	12	0.05MPa	1.6MPa	1.6MPa			Y21H
HK10FXXX	F1 1/4"	32	24	0.05MPa	1.6MPa	1.6MPa			Y51H
HK10FXXX	F1 1/2"	40	29	0.05MPa	1.6MPa	1.6MPa			Y51H
HK10FXXX	F2"	50	48	0.05MPa	1.6MPa	1.6MPa			Y51H



HK10系列电磁阀尺寸图

Size Drawing For HK10 Series Solenoid Valve

Size	G	A	B	C	D
DN10	3/8"	73	48	179	13.5
DN15	1/2"	73	48	176	13.5
DN20	3/4"	83	60	189.5	16.5
DN25	1"	100	72	189.5	21
DN32	1-1/4"	130	96	214	28
DN40	1-1/2"	130	96	214	28
DN50	2"	155	122	228	34



HK10-F系列法兰电磁阀尺寸图

Size Drawing For HK10-F Series Flange Solenoid Valve

Size	F	A	B	C	D	E	n-φ d
DN15	1/2"		∅95	∅65	∅45		4-∅14
DN20	3/4"		∅105	∅75	∅55		4-∅14
DN25	1"	130	∅115	∅85	∅65	175	4-∅14
DN32	1-1/4"	160	∅140	∅100	∅78	187	4-∅18
DN40	1-1/2"	160	∅150	∅110	∅85	187	4-∅18
DN50	2"	190	∅165	∅125	∅100	200	4-∅18
DN65	2-1/2"		∅185	∅145	∅120		4-∅18
DN80	3"		□200	∅160	∅135		8-∅18
DN100	4"		∅235	∅180	∅155		8-∅18

特征 Characteristic	1.先导活塞式结构，低功率，适用于常时间工作的管道系统 2.蒸汽环境下密封件寿命长 Pilot operated diaphragm construction with less power consumption for longtime working. Used for long-time working in pipeline system	
介质 Medium	蒸汽，热水，油等 Steam, Hot Water, Oil, etc.	
流体温度 Temperature	聚醚醚酮 PEEK: -20°C~300°C 聚四氟乙烯 P-PTFE: -20°C~180°C	
压力 Pressure	0.05MPa~1.6MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2", 法兰 Flange: 1/2"~4"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
通径(mm) Orifice	10, 15, 20, 25, 32, 40, 50, 65, 80, 100	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y21H, 28VA(AC), 22W(DC), IP65, 100%ED Y51H, 70VA(AC), 50W(DC), IP65, 100%ED	
材料 Material	阀体 Body	不锈钢 Stainless Steel
	密封件 Seal	聚醚醚酮/聚四氟乙烯 PEEK, PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



B41HC

型号编制方式 Determine Valve Body Code

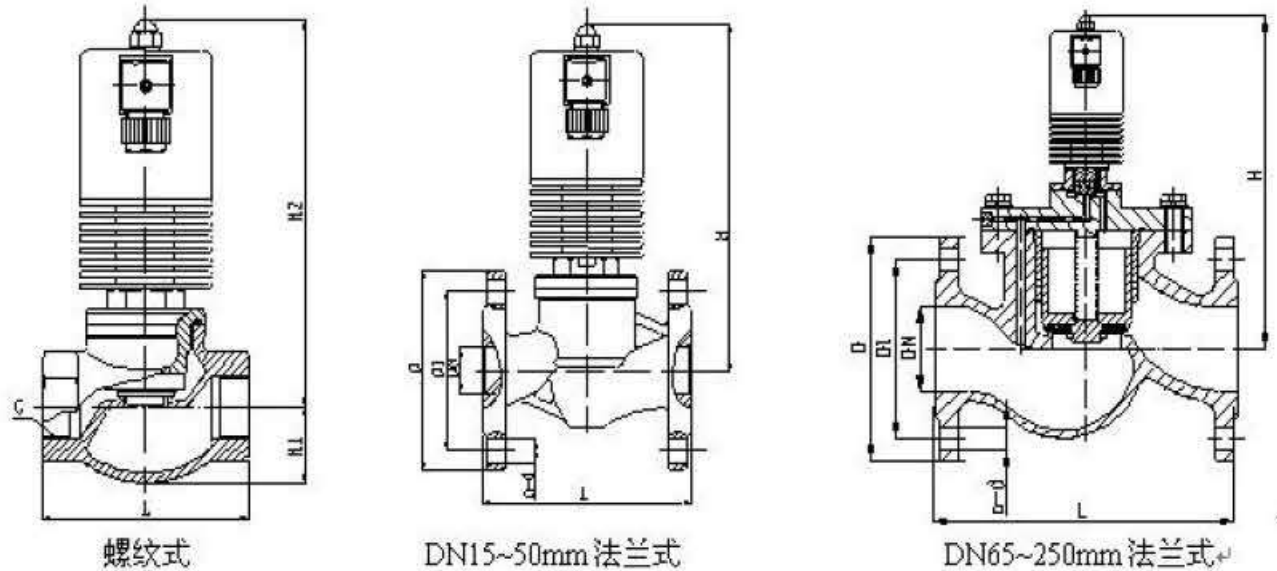
型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HK10	12、15、20、25 32、40、50、65 80、100	G - G/BSP G螺纹/BSP螺纹 N - NPT thread NPT螺纹 F - Flange 法兰	S - Stainless steel 不锈钢	PTFE 聚四氟乙烯 PEEK 聚醚醚酮	Y21H Y51H	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

举例：HK10 GSN Y21HB系列，25mm通径，G螺纹1"，不锈钢阀体，聚四氟乙烯密封件，线圈型号Y21H，AC220V电压，接线盒连接。
EXMAPLE: HK10 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, PTFE SEAL, COIL Y21H, AC220V, DIN

B41HC系列法兰电磁阀尺寸图

Size Drawing For B41HC Series Flange Solenoid Valve

公称通径 nominal diameter	DN15	DN20	DN25	DN32	DN40	DN50
L	115	120	135	135	160	200
B	90	100	111	111	141	157
C	160	185	200	200	260	300
D1			85	85	110	125
D			66	66	86	100



产品特点 Characteristic:

分步直动式电磁阀：他是一种直动式和先导式相结合的原理。常闭式--当入口与出口没有压差时，通电后电磁力直接打开先导孔连接主阀活塞依次向上提起，阀门打开；当入口与出口达到启动压差时，通电后，电磁力先打开先导孔，主阀活塞上腔压力下降，从而利用压差和电磁力拉动主活塞，阀口打开；断电时，靠弹簧复位关闭先导孔，主活塞上腔增压，推动主活塞向下移动，阀关闭。常开式与常闭式相反。

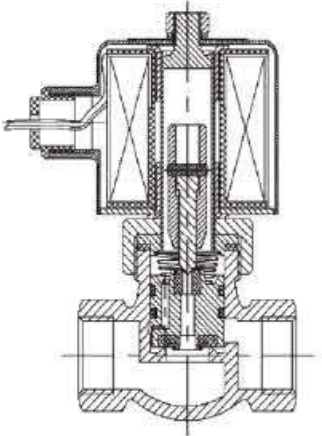
Step-by-step direct-acting solenoid valve: It is a combination of direct-acting and pilot-operated. Normally closed type- when there is no pressure difference between the inlet and the outlet, the electromagnetic force directly opens the pilot hole after power-on, the main valve piston is lifted up in turn, and the valve opens; when the inlet and outlet reach the starting pressure difference, after power-on, the electromagnetic force opens first in the pilot hole, the pressure in the upper cavity of the main valve piston drops, so that the pressure difference and electromagnetic force are used to pull the main piston, and the valve port is opened; when the power is off, the pilot hole is closed by the spring return, the upper cavity of the main piston is pressurized, and the main piston is pushed down, the valve is closed. Normally open and normally closed.

安装维护 Installation and Maintenance:

01. 安装前应仔细阅读产品使用说明书，检查产品是否完全符合使用要求，熟悉安装要点，做好准备工作。
02. 核对品牌参数是否为所选用的参数，是否与使用说明书相符。
03. 安装之前用管路的最高使用压力对管路充分冲洗，冲洗时间应在5分钟以上，把管路中的金属粉末、残留密封材料、焊接后的氧化皮等完全清除。
04. 注意介质的清洁度，如果流通的介质中有杂质，电磁阀进口端前必须安装密度0.5um的过滤器。
05. 电磁阀应水平安装，线圈在上。阀不宜装在低凹处，如装在容器的排出管道中，注意不可自容器底部引出，而应装在容器底部稍上的位置。
06. 如果介质会起水击现象，要注意电磁阀的选用或采取相应的防范措施。
07. 蒸汽用电磁阀入口前侧应安装流水阀，该处接管应倾斜，流水阀应装在低位，最好装多通反冲过滤器。
08. 电磁阀一般是定向的，不可装反，通常在阀体上用“箭头”指出介质流动方向，安装时要依照“箭头”指示方向安装。
09. 接管时应注意，密封材料不可使用过量，如螺纹连接时，接管螺纹应保持有效长度内，并在端部半螺纹距处用锉刀倒角，自端部起两牙处开始缠绕密封带，不然过量密封带或粘结将进入电磁阀内，而发生妨碍电磁阀正常动作的事故。
10. 防爆电磁阀现场安装必须按照国家爆炸危险场所“电气安全规程”中有关规定进行。
11. 非电气人员不得拆卸电磁阀电气部件。

01. Before installation, carefully check and read the product instruction manual, check whether the product fully meets the operating requirements, be familiar with the installation points, and make preparations.
02. Check whether the brand parameters are the selected parameters and whether they are consistent with the instruction manual.
03. Before installation, fully flush the pipeline with the highest operating pressure of the pipeline. The flushing time should be more than 5 minutes, and completely remove the metal powder, residual sealing material, and oxide scale after welding in the pipeline.
04. Pay attention to the cleanliness of the medium. If there are impurities in the circulating medium, a filter with a density of 0.5um must be installed before the inlet end of the solenoid valve.
05. The solenoid valve should be installed horizontally with the coil on top. The valve should not be installed in a low recess, such as installed in the discharge pipeline of the container, pay attention not to be drawn out from the bottom of the container, but should be installed at a position slightly above the bottom of the container.
06. If the medium will cause water hammer, pay attention to the selection of the solenoid valve or take corresponding preventive measures.
07. A water flow valve should be installed on the front side of the inlet of the solenoid valve for steam. The connecting pipe should be inclined and the water flow valve should be installed at a low position. It is best to install a multi-pass backwash filter.
08. The solenoid valve is generally directional and cannot be installed reversely. Usually, the "arrow" is used on the valve body to indicate the flow direction of the medium, and the installation should follow the direction indicated by the "arrow".
09. When taking over, it should be noted that the sealing material should not be used excessively. For example, in the case of threaded connection, the thread of the connecting pipe should be kept within the effective length, and the half-thread pitch at the end should be chamfered with a file, and the sealing tape should be wound from the end of the two teeth. Otherwise, excessive sealing tape or adhesive will enter the solenoid valve, and an accident will occur that hinders the normal operation of the solenoid valve.
10. The on-site installation of explosion-proof solenoid valves must be carried out in accordance with the relevant regulations in the "Electrical Safety Regulations" for national explosion-hazardous places.
11. Non-electrical personnel are not allowed to disassemble the electrical components of the solenoid valve.

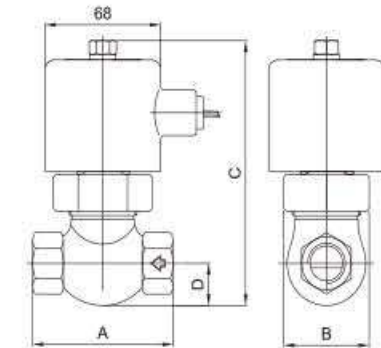
特征 Characteristic	1.先导活塞式结构，低功率，适用于常时间工作的管道系统 2.蒸汽环境下密封件寿命长 Pilot operated diaphragm construction with less power consumption for longtime working. Used for long-time working in pipeline system	
介质 Medium	蒸汽，热水，油等 Steam and Hot Water,Oil, etc.	
流体温度 Temperature	聚醚醚酮 PEEK:-20℃~300℃ 聚四氟乙烯 P-PTFE:-20℃~180℃	
压力 Pressure	0.03MPa~1.6MPa	
连接尺寸 Port Size	螺纹 Thread: 1/2"~2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	15, 20, 25, 32, 40, 50	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y42H,50VA(AC),20W(DC),IP65,100%ED	
材料 Material	阀体 Body	不锈钢/黄铜 Stainless Steel, Brass
	密封件 Seal	聚四氟乙烯/聚醚醚酮 PTFE, PEEK
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
US	12、15、20、25 32、40、50	G·G/BSP G螺纹/BSP螺纹 N·NPT thread NPT螺纹 F·Flange 法兰	B-Brass 黄铜 S-Stainless steel 不锈钢	PTFE 聚四氟乙烯 PEEK 聚醚醚酮	Y42H	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

US系列, 常闭NC, Y42H线圈 US Series Normally Closed, Y42H Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC(50VA)	DC(20W)			
US15 X X X	1/2"	15	4.5	0.03MPa	1.6MPa	1.6MPa	聚四氟乙烯 PTFE 聚醚醚酮 PEEK	黄铜 Brass 不锈钢 stainless steel	Y42H
US20 X X X	3/4"	20	9.3	0.03MPa	1.6MPa	1.6MPa			Y42H
US25 X X X	1"	25	12	0.03MPa	1.6MPa	1.6MPa			Y42H
US32 X X X	1 1/4"	32	24	0.03MPa	1.6MPa	1.6MPa			Y42H
US40 X X X	1 1/2"	40	29	0.03MPa	1.6MPa	1.6MPa			Y42H
US50 X X X	2"	50	48	0.03MPa	1.6MPa	1.6MPa			Y42H



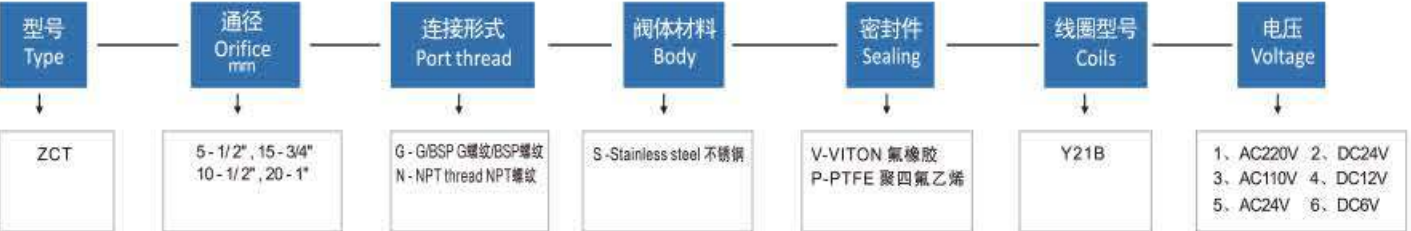
US系列电磁阀外形尺寸图 Size Drawing For US Series Solenoid Valve

Size	US15 XXX	US20 XXX	US25 XXX	US32 XXX	US40 XXX	US50 XXX
A	82	82	91	111	111	163
B	50	50	55	75	75	95
C	146	146	162	185	190	223
D	23	23	29	37	37	50

特征 Characteristic	1.先导活塞式结构, 低功率, 适用于常时间工作的管道系统 2.蒸汽环境下密封件寿命长	
	Pilot operated diaphragm construction with less power consumption for longtime working. Used for long-time working in pipeline system	
介质 Medium	蒸汽, 热水, 油等 Steam and Hot Water,Oil, etc.	
流体温度 Temperature	氟橡胶 V-VITON:-20°C~120°C 聚四氟乙烯 P-PTFE:-20°C~180°C	
压力 Pressure	0.0MPa~1.0MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~1"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	5, 10, 15	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y21B,18VA(AC),16W(DC),IP65,100%ED	
材料 Material	阀体 Body	不锈钢 Stainless Steel
	密封件 Seal	氟橡胶/聚四氟乙烯 VITON,PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



型号编制方式 Determine Valve Body Code



举例: ZCT GSN S21H系列, 20mm通径, G螺纹1", 不锈钢阀体, 氟橡胶密封件, 线圈型号Y21B,AC220V电压, 接线盒连接。
EXMAPLE: 2W31 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, VITON SEAL, COIL Y21B, AC220V, DIN

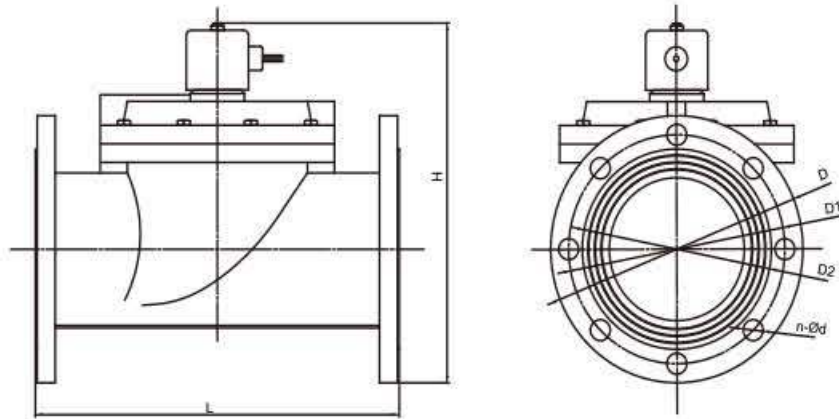
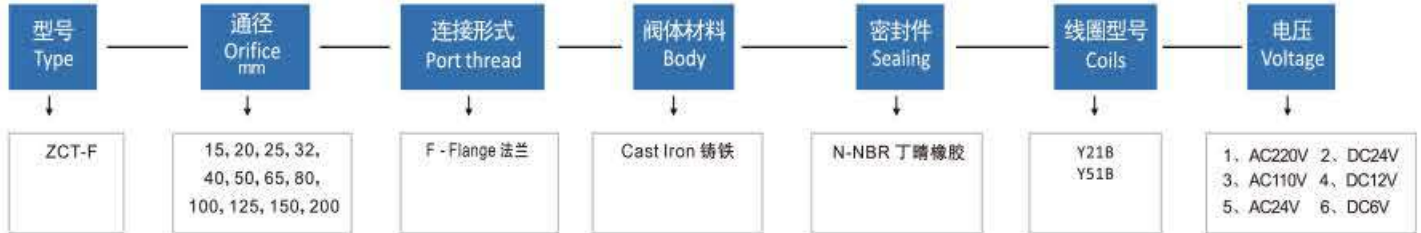
ZCT系列, 常闭NC, Y21B线圈 ZCT Series Normally Closed, Y21B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Presuure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC(18VA)	DC(16W)			
ZCT21 05 X X X	1/2"	5	0.5	0MPa	1.0MPa	1.0MPa	氟橡胶 VITON 聚四氟乙烯 PTFE	不锈钢 S-stainless steel	Y21B
ZCT21 15 X X X	1/2"	10	2.8	0MPa	1.0MPa	1.0MPa			Y21B
ZCT21 20 X X X	3/4"	15	2.8	0MPa	1.0MPa	1.0MPa			Y21B
ZCT21 25 X X X	1"	15	2.8	0MPa	1.0MPa	1.0MPa			Y21B

ZCT系列尺寸图 Size Drawing For ZCT Series Solenoid Valve

阀体	ZCT05 X X X	ZCT12 X X X	ZCT15 X X X	ZCT 20 X X X	ZCT 25 X X X
A	50	70	80	80	80
B	30	30	40	40	40
C	75	82	92	92	92
D	16	16	19	19	19

特征 Characteristic	1.直拉活塞式结构 2.零压力启动, 适合低压系统	
	1. Direct lifting 2. Zero pressure start,Suitable for low pressure system	
介质 Medium	水, 油等 Water,Oil, etc.	
流体温度 Temperature	丁晴橡胶 NBR:-5°C~80°C	
压力 Pressure	0.3MPa~0.8MPa	
连接尺寸 Port Size	1-1/2", 2", 2-1/2", 3", 4", 5", 6", 8"	
连接方式 Port Thread	法兰式 Flange	
通径(mm) Orifice	15, 20, 25, 32, 40, 50, 65, 80, 100	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y21B,18VA(AC),16W(DC),IP65,100%ED Y51B,70VA(AC),50W(DC),IP65,100%ED	
材料 Material	阀体 Body	铸铁 Cast Iron
	密封件 Seal	丁晴橡胶 NBR
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



Size	in	D	D1	D2	n-φd	L	H
DN40	1-1/2"	145	110	80	4-Ø19	165	205
DN50	2"	160	120	100	4-Ø19	220	210
DN65	2-1/2"	190	145	105	4-Ø19	255	255
DN80	3"	197	160	120	4-Ø19	255	265
DN100	4"	220	180	150	8-Ø19	310	323

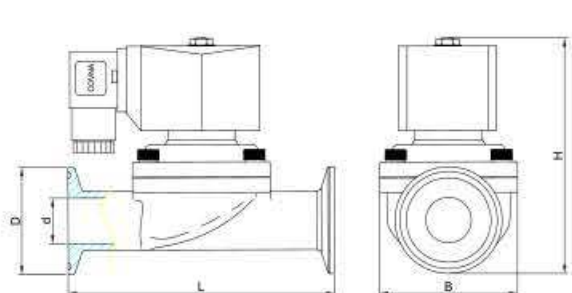
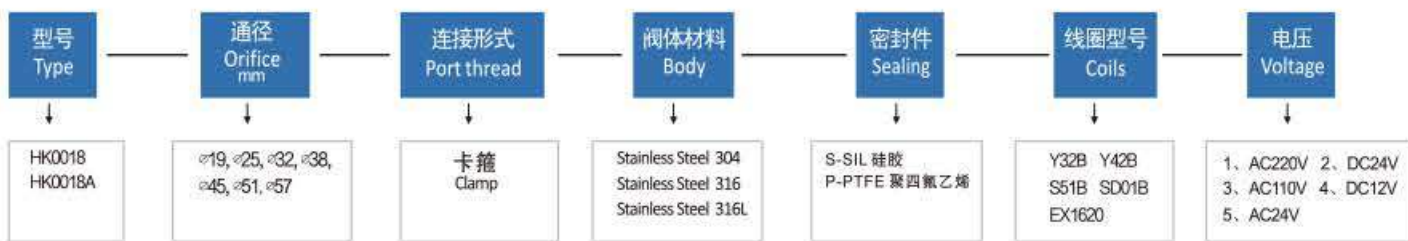
介质 Medium	水、蒸汽、药液、空气、氧气、酒类。 Water, steam, liquid medicine, air, oxygen, wine etc.	
流体温度 Temperature	硅胶 S-SIL:-10°C~100°C 聚四氟乙烯 P-PTFE:-20°C~180°C	
压力 Pressure	0.0MPa~1.0MPa	
连接尺寸 Port Size	1/2", 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4"	
连接方式 Port Thread	卡箍式 Clamp	
通径(mm) Orifice	ø19, ø25, ø32, ø38, ø45, ø51, ø57	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y32B, 40VA(AC), 18W(DC), IP65, 100%ED Y42B, 50VA(AC), 20W(DC), IP65, 100%ED S51B, 30VA(AC), 24W(DC), IP65, 100%ED SD01B, 28VA(AC), 36W(DC), IP65, 100%ED EX1620, 20VA(AC), 16W(DC), IP65, 100%ED(EX)	
材料 Material	阀体 Body	不锈钢304/316/316L Stainless Steel 304/316/316L
	密封件 Seal	硅胶/聚四氟乙烯 SIL, PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



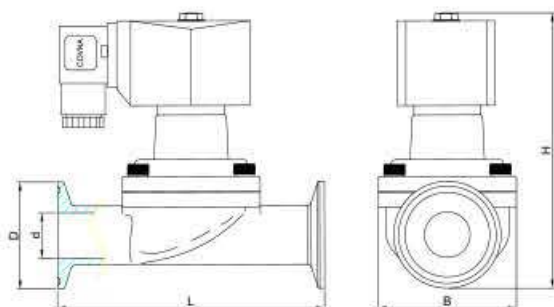
HK0018 (常温)
Normal Temperature



HK0018A (高温)
High Temperature



HK0018 (常温) Normal Temperature



HK0018A (高温) High Temperature

Size	G	Cv	d	D	B	L HK0018	H HK0018	L HK0018A	H HK0018A
ø19	1/2"	4.8	15	50.5	50	95	125	115	145
ø25	3/4"	7.5	20	50.5	60	100	128	125	150
ø32	1"	12	25	50.5	75	140	138	130	168
ø38	1 1/4"	24	32	50.5	100	158	155	150	180
ø45	1 1/2"	29	40	64.0	105	160	175	160	200
ø51/ø57	2"	48	50	64.0/77.5	130	195	180	200	210

特征 Characteristic	1. 高压电磁阀, 先导膜片式结构, 适用于空压机, 注塑机 2. 使用PTFE密封件 1. High pressure solenoid valve, pilot diaphragm structure, suitable for air compressor, injection molding machine 2. Use PEEK seals	
介质 Medium	热水, 压缩空气, 水, 油等 Hot water, compressed air, water, oil, etc.	
流体温度 Temperature	-20°C~250°C	
压力 Pressure	0.1MPa~25.0MPa 0.1MPa~35.0MPa 2MPa~50.0MPa	
连接尺寸 Port Size	1/4", 3/8", 1/2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	4, 5, 6, 7, 8	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y21B, 18VA(AC), 16W(DC), IP65, 100%ED EX1620, 20VA(AC), 16W(DC), IP65, 100%ED	
材料 Material	阀体 Body	不锈钢 Stainless Steel 304
	密封件 Seal	聚四氟乙烯/聚醚醚酮/不锈钢 PTFE, PEEK, Stainless Steel 304
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



HKKB

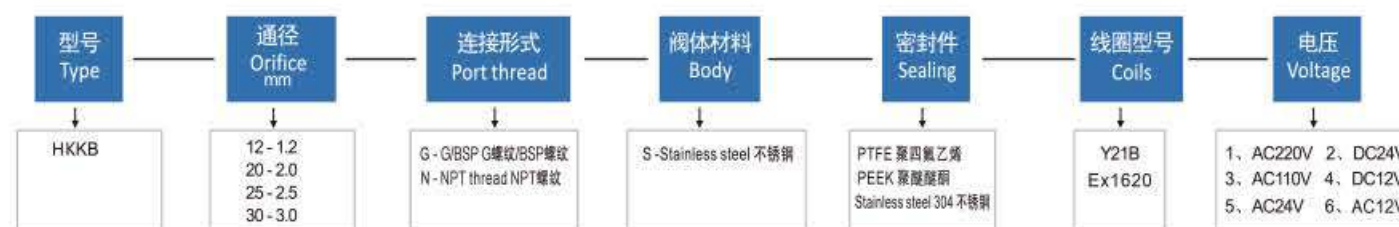


Y21B



EX1620

型号编制方式 Determine Valve Body Code



HKKB系列,常闭NC,S91B线圈 (承压: 250kg)

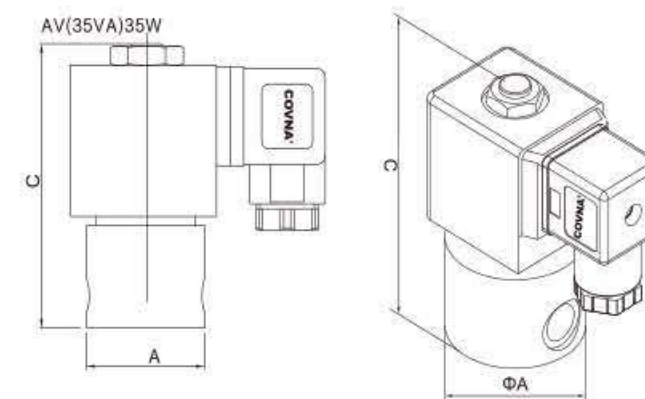
HKKB Series Normally Closed, Y21B Coil (Pressure Range:250bar)

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	阀身材料 Body Material	线圈 Coils
					AC(22VA)	DC(17W)			
HKKB-X X X	1/4"	5	7	0.5MPa	25.0MPa	25.0MPa	聚四氟乙烯 PTFE 聚醚醚酮 PEEK Stainless steel 304 不锈钢	不锈钢 stainless steel	Y21B
HKKB-X X X	1/4" 3/8"	6	8	0.5MPa	20.0MPa	20.0MPa			Y21B
HKKB-X X X	1/4" 3/8"	7	8	0.5MPa	15.0MPa	15.0MPa			Y21B
HKKB-X X X	3/8" 1/2"	7	8	0.5MPa	10.0MPa	10.0MPa			Y21B

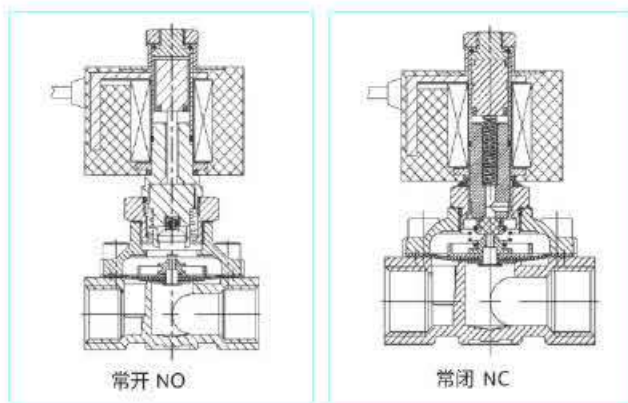
HKKB系列电磁阀尺寸图 (承压: 250kg)

Size Drawing For HKKB Series Solenoid Valve (Pressure Range:250bar)

Size	A	C
HKKB-1/8"	50	138
HKKB-1/4"	50	138
HKKB-3/8"	57	138
HKKB-1/2"	57	148



特征 Characteristic	使用防爆线圈, 适用于各种易燃易爆环境 suitable for various flammable and explosive environments	
介质 Medium	空气, 煤气, 天然气, 水, 油等 Air, gas, Water, Natural gas, Oil, etc.	
流体温度 Temperature	丁晴橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V-VITON: -10°C~120°C	
压力 Pressure	0~1.0MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2" 法兰 Flange: 1/2"~4"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
通径(mm) Orifice(mm)	12, 15, 20, 25, 32, 40, 50	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	EX1620, 20VA(AC), 16W(DC), IP65, 100%ED	
材料 Material	阀体 Body	不锈钢/黄铜/PVC Brass, SUS, PVC
	密封件 Seal	丁晴橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



型号编制方式 Determine Valve Body Code

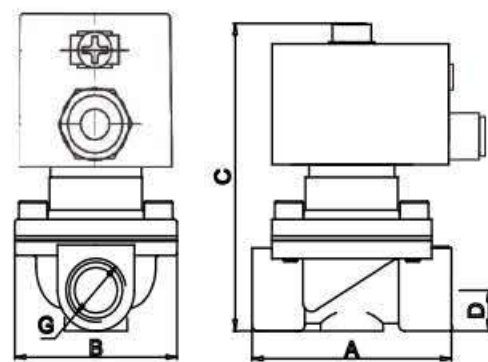
型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
2W-EX	12、15、20、25 32、40、50	G - GBSPP G螺纹 BSP 螺纹 N - NPT thread NPT 螺纹 F - Flange 法兰	B - Brass 黄铜 S - Stainless steel 不锈钢 P - PVC	N-NBR 丁晴橡胶 E-EPDM 三元乙丙 V-VITON 氟橡胶	EX1620	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、DC6V

举例: 2W-EX GSN F14B系列, 常开15mm通径, G螺纹 1/2", 不锈钢阀体, 丁晴橡胶密封件, 线圈型号EX1620, AC220V电压。

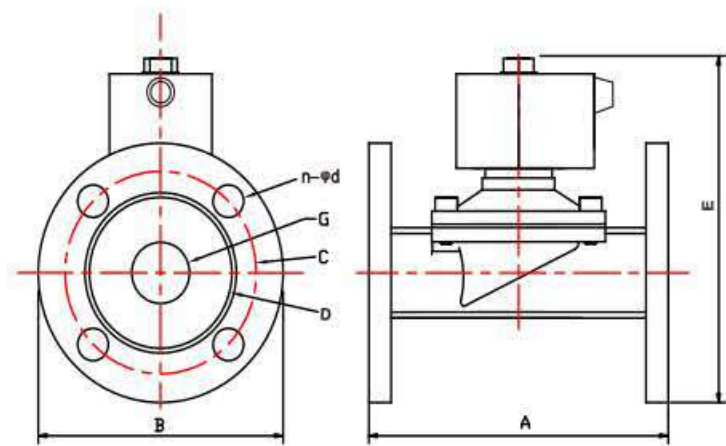
EXAMPLE: 2W-EX SERIES, NO, 15MM ORIFICE, 1/2" G, STAINLESS BODY, NBR SEAL, COIL EX1620, AC220V.

2W-EX系列, 常闭NC, Ex1620线圈 2W-EX Series Normally Closed, EX1620 Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC	DC			
2W-Ex10XXXX	3/8"	12	4-5	0.0MPa	1.0MPa	1.0MPa	丁晴橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel PVC	EX1620
2W-Ex15XXXX	1/2"	15	4-5	0.0MPa	1.0MPa	1.0MPa			EX1620
2W-Ex20XXXX	3/4"	20	9-3	0.0MPa	1.0MPa	1.0MPa			EX1620
2W-Ex25XXXX	1"	25	12	0.0MPa	1.0MPa	1.0MPa			EX1620
2W-Ex32XXXX	1 1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			EX1620
2W-Ex40XXXX	1 1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			EX1620
2W-Ex50XXXX	2"	50	48	0.0MPa	1.0MPa	1.0MPa			EX1620

2W-EX系列螺纹电磁阀尺寸图
Size Drawing For 2W-EX Series Thread Solenoid Valve

Size	2WEX-10	2WEX-15	2WEX-20	2WEX-25	2WEX-32	2WEX-40	2WEX-50
A	68	68	68	97	115	122	166
B	56	56	56	76	86	93	118.5
C	NO.	110	120	128	135	148	182
	NC	100	110	117	125	148	182
D	13.5	13.5	16.5	20	24	28	36

2W-EX-F系列法兰电磁阀尺寸图
Size Drawing For 2W-EX-F Series Flange Solenoid Valve

Size	A	B	C	D	n-φd	E	
						NO.	NC
2WEX-15	101	φ90	φ65	φ40	4-φ14	145	135
2WEX-20	103	φ100	φ75	φ48	4-φ14	157	147
2WEX-25	133	φ110	φ85	φ62	4-φ14	162	152
2WEX-32	142.5	φ132	φ100	φ66	4-φ18	185	185
2WEX-40	152	φ142	φ110	φ76	4-φ18	200	200
2WEX-50	178	φ155	φ125	φ96	4-φ18	212	212

- 全自动，无需维护
- 适用宽范围温度
- 间隔时间和工作时间可调
- 适用于多种场合的冷凝水 自动排放及自行灌溉系统
- 加装过滤球阀，可任意变化接口和增加手动开关，便于安装和维护。

Product Features

- Fully automatic, no maintenance required
- Suitable for a wide range of temperature
- Adjustable interval time and working time
- Condensate automatic discharge and self-irrigation system suitable for many occasions
- The filter ball valve can be installed, the interface can be changed arbitrarily and the manual switch can be added, which is convenient for installation and maintenance.



定时器参数 Timer parameters

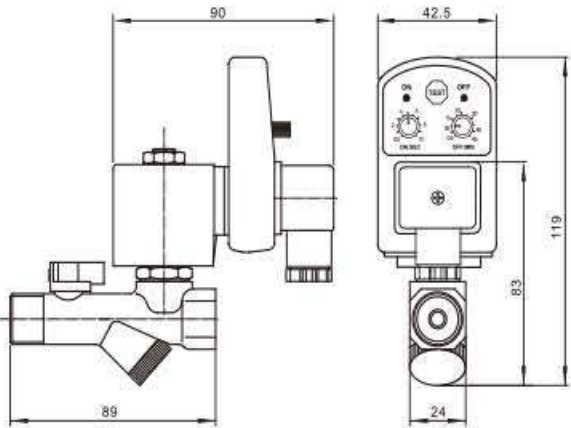
电源电压 Supply voltage	Voltage	24~380V AC/DC-50HZ/60Hz
电流消耗 Current consumption	Current consumption	Max 4mA
环境温度 Ambient temperature	Ambient temperature	-10℃~+50℃
防护等级 Degree of protection	Protection level	IP65-EN 60529
壳体材料 Bulk material	Shell material	ABS
时隔时间(关) Time interval (off)	Time Lapse (Off)	0.5s ~ 10s
打电话时间(开) Call time (on)	Open time (open)	0.5 ~ 45Min
指示灯 Indicator light	Indicator light	黄色LED灯 Yellow LED Light
手动测试按钮 Manual test button	Manual test button	Yes
电气连接 Electrical connections	Electrical connections	DIN43650A

阀门参数 Valve parameters

型号 Model	Model	HK11-1	HK11-2
阀类型 Valve type	Valve type	二位二通自动式电磁阀 Two-way automatic solenoid valve	
进出接口 Access interface	In and out interface	1/2"	
工作压力 Working pressure	Work pressure	16bar	
开关时间 Switching time	Switching time	Open 0.5~30s	Open 0.5~199s(customizable)
		Close 0.5~45Min	Close 0.5~199Min(customizable)
工作温度 Working temperature	Operating temperature	-20℃~60℃	
最高介质温度 Maximum medium temperature	Max medium temperature	120℃	
阀体 Valve body	Valve body	黄铜 Brass	
通径 Drift diameter	Orifice	2~4mm	
绝缘、防护等级 Insulation and protection grade	Insulation, protection level	F-IP65(After installation)	
电压 Voltage	Voltage	24~240V DC/AC 50/60Hz ± 10%	
安装 Install	installation	水平方向 Horizontal Direction	

特征:
把过滤球阀和电子定时排水阀二者合二为一,
也可直接用手动排水排污, 经济又实用

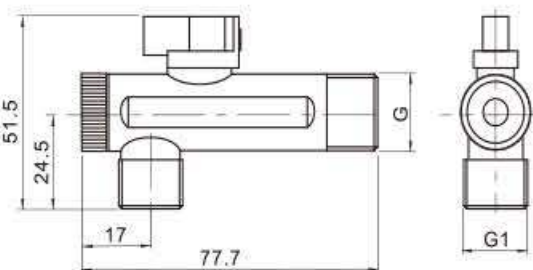
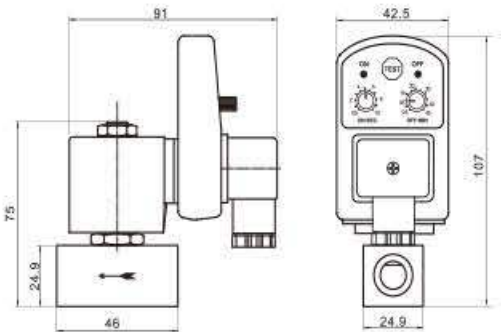
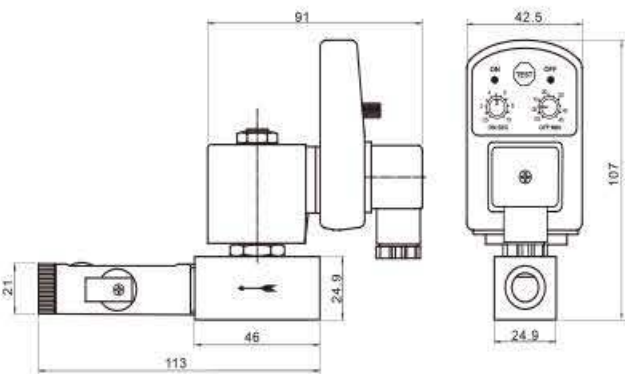
Combine filter ball valve and electronic
timing drain valve into one,
It can also be directly used for
manual drainage,
which is economical
and practical



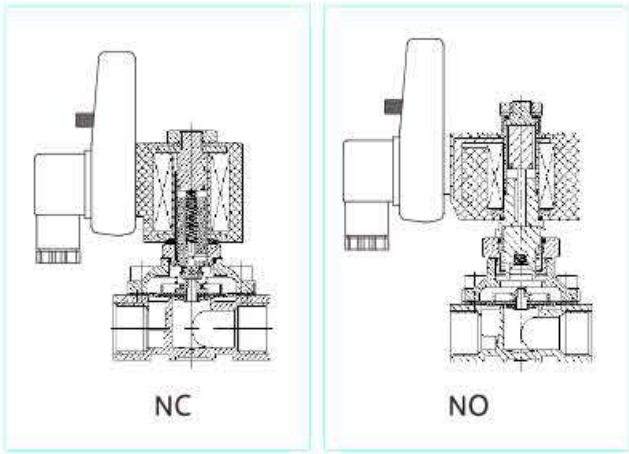
公称通径 Nominal diameter	4 mm	4 mm
形式 Form	常闭 NC	NC
工作电压 Working voltage	AC/DC 24-240 V	AC/DC 24-240 V
工作压力 Working pressure	0~16 bar	0~16 bar
工作温度 Working temperature	20℃~80℃	20℃~80℃
本体材质 Body material	铜 Copper	Copper
密封材质 Sealing material	丁腈橡胶/氟橡胶	NBR / VITON

特征:
可单独使用或和配套使用的过滤球阀
Filter ball valve that can be used alone or in combination

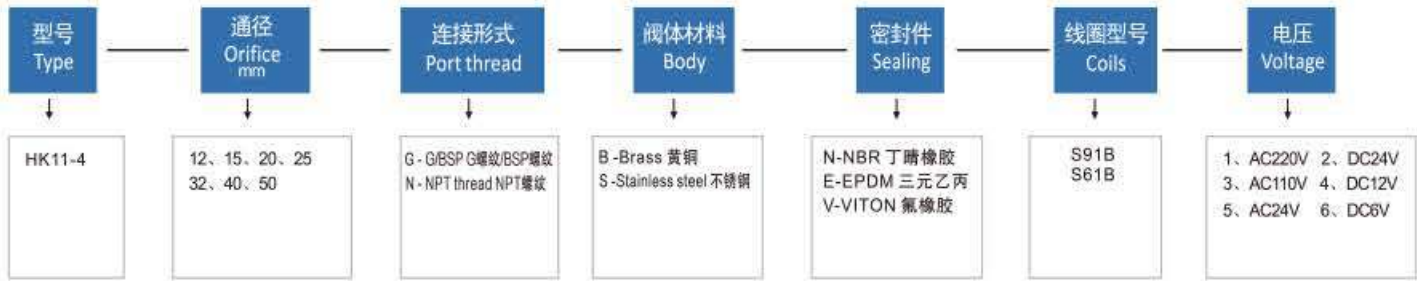
HK11-2 定时排水阀组合件
HK11-2 Timing drain valve assembly



特征 Characteristic	1.直拉膜片式 2.零压力启动, 适合低压系统	
	1. Straight pull diaphragm 2. Zero pressure start, Suitable for low pressure system	
介质 Medium	空气, 煤气, 水, 油等 Air, gas, water, oil, etc.	
流体温度 Temperature	丁晴橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V- VITON: -10°C~120°C	
压力 Pressure	0~1.0MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	12, 15, 20, 25, 32, 40, 50	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S91B,22VA(AC),17W(DC),IP65,100%ED S61B,28VA(AC),36W(DC),IP65,100%ED	
材料 Material	阀体 Body	不锈钢/黄铜 Stainless Steel,Brass
	密封件 Seal	丁晴橡胶/三元乙丙/氟橡胶 NBR,EPDM,VITON
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



型号编制方式 Determine Valve Body Code



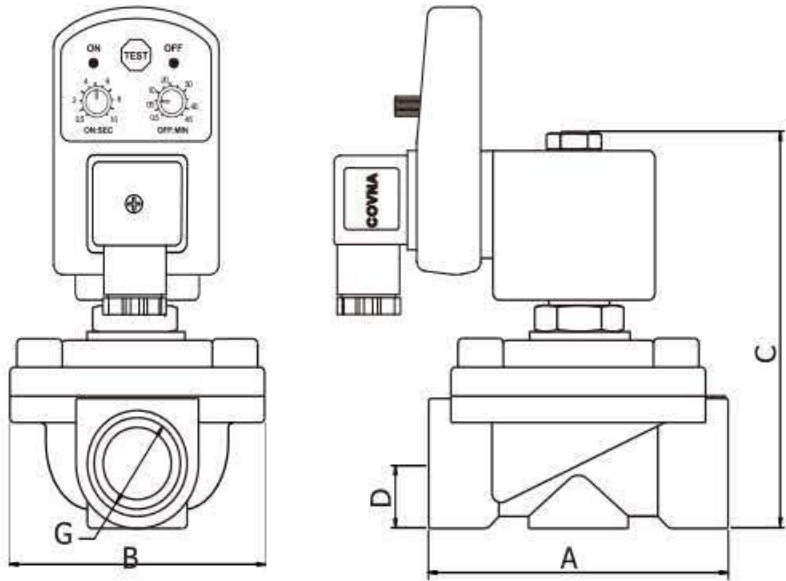
举例: HK11-4 GSN S91B系列, 25mm通径, G螺纹1", 不锈钢阀体, 丁晴橡胶密封件, 线圈型号S91B,AC220V电压, 接线盒连接。
EXMAPLE: HK11-4 SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, NBR SEAL, COIL S91B, AC220V, DIN

HK11-4 系列, 常闭NC, S91B / S61B线圈 HK11-4 Series Normally Closed, S91B /S61B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	阀身材料 Body Material	线圈 Coils
					AC(22VA)	DC(17W)			
HK11-4 10 X X	3/8"	12	4.5	0.0MPa	1.0MPa	1.0MPa	丁晴橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel	S91B
HK11-4 15 X X	1/2"	15	4.5	0.0MPa	1.0MPa	1.0MPa			S91B
HK11-4 20 X X	3/4"	20	9.3	0.0MPa	1.0MPa	1.0MPa			S91B
HK11-4 25 X X	1"	25	12	0.0MPa	1.0MPa	1.0MPa			S91B
HK11-4 32 X X	1 1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			SD01B
HK11-4 40 X X	1 1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			SD01B
HK11-4 50 X X	2"	50	48	0.0MPa	1.0MPa	1.0MPa			SD01B

定时器参数 Timer parameters

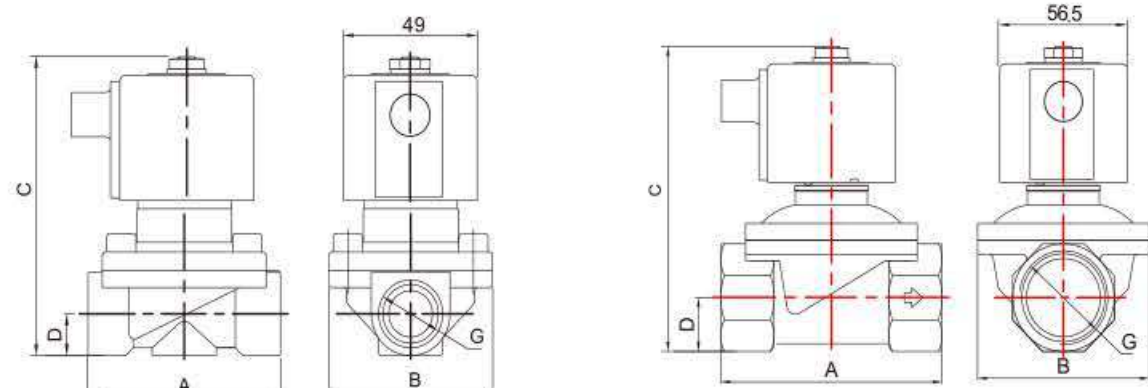
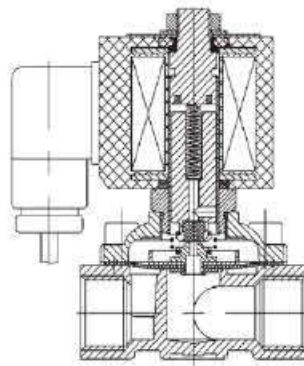
电源电压 voltage	24~380V AC/DC-50HZ/60Hz
电流消耗 Current consumption	Max 4mA
环境温度 Ambient temperature	-10°C~+50°C
防护等级 Protection level	IP65-EN 60529
壳体材料 Shell material	ABS
时隔时间(关) Time Lapse (Off)	0.5s ~ 10s
打开时间(开) Open time (open)	0.5 ~ 45Min
指示灯 Indicator light	黄色LED灯 Yellow LED Light
手动测试按钮 Manual test button	Yes
电气连接 Electrical connections	DIN43650A



HK11-4系列螺纹电磁阀尺寸图

Size	G	A	B	C	D
DN10	3/8"	68	56	95	13.5
DN15	1/2"	66	56	110	13.5
DN20	3/4"	68	56	117	16.5
DN25	1"	97	76	125	20
DN32	1-1/4"	110	86	148	24
DN40	1-1/2"	114	93	157	28
DN50	2"	154	118	182	36

特征 Characteristic	使用防水线圈，专用于喷泉。 Use waterproof coil, dedicated to fountain.	
介质 Medium	水 water	
流体温度 Temperature	丁晴橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V-VITON: -10°C~120°C	
压力 Pressure	0~1.0MPa	
连接尺寸 Port Size	螺纹 Thread: 3/8"~2" 法兰 Flange: 1/2"~4"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
通径(mm) Orifice(mm)	12, 15, 20, 25, 32, 40, 50	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	F14B, 26VA(AC), 13W(DC), IP68, 100%ED F24B, 28VA(AC), 15W(DC), IP68, 100%ED	
材料 Material	阀体 Body	不锈钢/黄铜/PVC SUS, Brass, PVC
	密封件 Seal	丁晴橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper

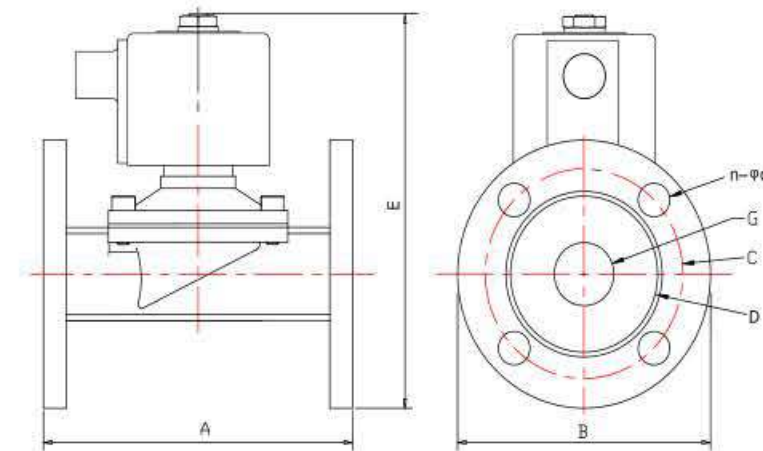


DN10-DN25

DN32-DN50

HKP系列电磁阀螺纹型尺寸图
Size Drawing For HKP Series Solenoid Valve Thread Type

Size	HKP-10	HKP-15	HKP-20	HKP-25	HKP-32	HKP-40	HKP-50
A	68	68	68	97	115	122	166
B	56	56	56	76	86	93	118.5
C	NO.	100	122	127	133	153	160
	NC	90	112	117	123	153	160
D	13.5	13.5	16.5	21	24	28	36



HKP系列电磁阀法兰式尺寸图
Size Drawing For HKP Series Solenoid Valve Flange Type

Size	A	B	C	D	n-φd	E	
						NO.	NC
HKPF-15	101	φ90	φ65	φ40	4-φ14	145	135
HKPF-20	103	φ100	φ75	φ48	4-φ14	157	147
HKPF-25	133	φ110	φ85	φ62	4-φ14	162	152
HKPF-32	142.5	φ132	φ100	φ66	4-φ18	185	185
HKPF-40	152	φ142	φ110	φ76	4-φ18	200	200
HKPF-50	178	φ155	φ125	φ96	4-φ18	212	212

型号编制方式 Determine Valve Body Code

型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HKP	12, 15, 20, 25 32, 40, 50	G - G/BSP G螺纹/BSP螺纹 N - NPT thread NPT螺纹 F - Flange 法兰	B - Brass 黄铜 S - Stainless steel 不锈钢 P - PVC	N-NBR 丁晴橡胶 E-EPDM 三元乙丙 V-VITON 氟橡胶	F14B F24B	1. AC220V 2. DC24V 3. AC110V 4. DC12V 5. AC24V 6. AC12V

举例: HKP GSN F14B系列, 15mm通径, G螺纹1/2", 不锈钢阀体, 丁晴橡胶密封件, 线圈型号F14B, AC220V电压。
EXMAPLE: HKP SERIES, NO, 15MM ORIFICE, 1/2"G, STAINLESS BODY, NBR SEAL, COIL F14B, AC220V.

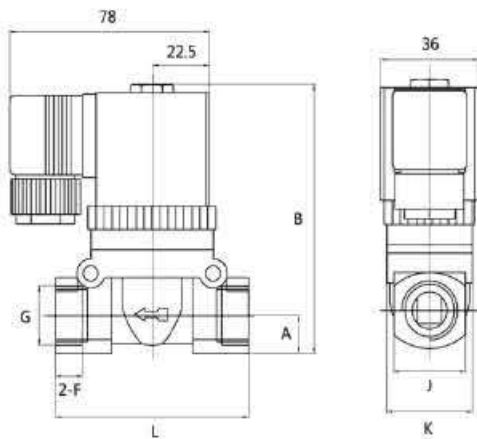
HKP系列, 常闭NC, F14B/F24B 线圈 HKP Series Normally Closed, F14B / F24B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	车身材料 Body Material	线圈 Coils
					AC	DC			
HKP15X X X	1/2"	15	4.5	0.00MPa	0.5MPa	0.5MPa	丁晴橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel PVC	F14B
HKP20X X X	3/4"	20	9.3	0.00MPa	0.5MPa	0.5MPa			F14B
HKP25X X X	1"	25	12	0.00MPa	0.5MPa	0.5MPa			F14B
HKP32X X X	1 1/4"	32	22	0.00MPa	0.5MPa	0.5MPa			F24B
HKP40X X X	1 1/2"	40	30	0.00MPa	0.5MPa	0.5MPa			F24B
HKP50X X X	2"	50	48	0.00MPa	0.5MPa	0.5MPa			F24B
HKP65X X X	F2 1/2"	65	68	0.00MPa	0.5MPa	0.5MPa			F24B
HKP80X X X	F3"	80	100	0.00MPa	0.5MPa	0.5MPa			F24B
HKP100X X X	F4"	100	175	0.00MPa	0.5MPa	0.5MPa			F24B

HK5231015系列 黄铜高压电磁阀 1/4"~1" 二位三通 常开NO/常闭NC

Brass High Pressure Solenoid Valve

介质 Medium	天然气, 石油, 空气, 水等 Natural gas, oil, air, water ect.	
流体温度 Temperature	氟橡胶 V- VITON:-10℃~120℃ 聚四氟乙烯 P-PTFE:-20℃~180℃	
压力 Pressure	0.05MPa~1.6MPa, 0.1MPa~3.5MPa	
连接尺寸 Port Size	1/4", 3/8", 1/2", 3/4", 1"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	8.0, 10.0, 13.0, 25.0	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S91B,22VA(AC),17W(DC),IP65,100%ED	
材料 Material	阀体 Body	黄铜 Brass
	密封件 Seal	氟橡胶/聚四氟乙烯 VITON, PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



HK5231015系列, 常闭NC, S91B线圈 1. 6Mpa HK5231015 Series Normally Closed, S91B Coil 1. 6Mpa

Size	孔口 Orifice mm	端口大小 Port Size	工作压力 Work Pressure	环境温度 Ambient Temperature	介质温度 Medium Temperature	K V (m ³ /h)	功耗 Power consumption		开关频率 Switching Frequency DC (W)	电压 Voltage
							AC (V A)	DC (W)		
HK5231015-08	8mm	G1/4"	0.05~1.6Mpa	-20~+55℃	0~+180℃	3.6	14	12	≥1	DC12V DC24C AC12V AC24V AC110V AC220V AC380V ±10%
HK5231015-10	10mm	G3/8"				3.6	14	12	≥1	
HK5231015-15	13mm	G1/2"				3.6	14	12	≥1	
HK5231015-20	25mm	G3/4"				11	14	12	≥0.5	
HK5231015-25	25mm	G1"				11	14	12	≥0.5	

HK5231015系列, 常闭NC, S91B线圈 5.0Mpa HK5231015 Series Normally Closed, S91B Coil 5.0Mpa

Size	孔口 Orifice mm	端口大小 Port Size	工作压力 Work Pressure	环境温度 Ambient Temperature	介质温度 Medium Temperature	K V (m ³ / h)	功耗 Power consumption		开关频率 Switching Frequency (H z)	电压 Voltage
							A C (V A)	D C (W)		
HK5231015-08	13mm	G1/4"	0.1- 5.0Mpa	-20~+55℃	0~+90℃	2.52	14	8	≥1	DC12V
HK5231015-10	13mm	G3/8"				2.52	14	8	≥1	DC24C
HK5231015-15	13mm	G1/2"				2.52	14	8	≥1	AC12V
HK5231015-20	20mm	G3/4"	0.1- 4.0Mpa			5.0	14	8	≥0.5	AC24V
HK5231015-25	25mm	G1"				8.5	14	8	≥0.5	AC110V
										AC220V
										AC380V ±10%

HK5231015系列电磁阀外形尺寸图 Size Drawing For HK5231015 Series Solenoid Valve

Size	G	K	L	B	A
HK5231015-08	G1/4"	33.5	72	85	13
HK5231015-10	G3/8"	33.5	72	85	13
HK5231015-15	G1/2"	33.5	72	85	13
HK5231015-20	G3/4"	60	100	120	20
HK5231015-25	G1"	60	100	120	20

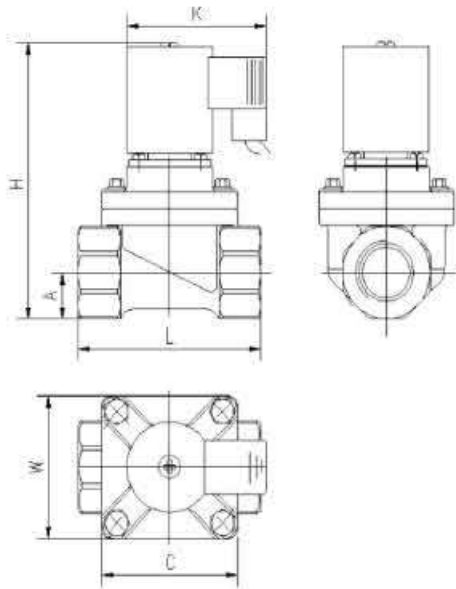
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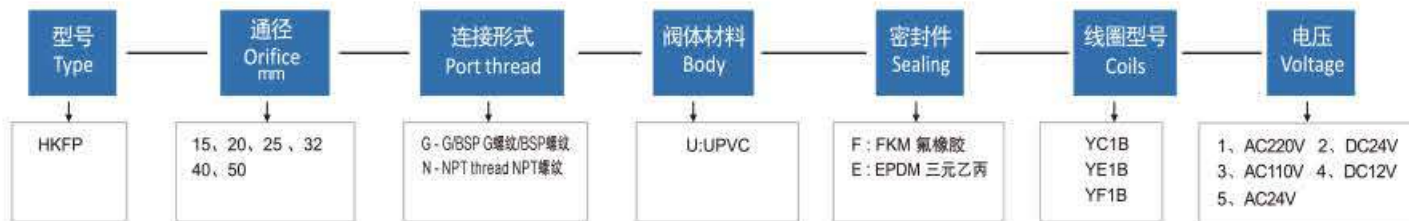
HKFPP-UPVC系列 轻微防腐电磁阀 1/2"~2 1/2" 二位两通

Slightly Anticorrosive Solenoid Valve

特征 Characteristic	采用隔离活塞式结构, 使用寿命大大增加 The use of isolated piston structure greatly increases the service life	
介质 Medium	酸、碱、盐类等腐蚀性流体 Acid, alkali, salt and other anticorrosive fluids	
流体温度 Temperature	UPVC: 硫酸、盐酸浓度 < 10%, 流体温度 < 50℃ UPVC: concentration of sulfuric acid and hydrochloric acid <10%, fluid temperature <50℃	
压力 Pressure	DC24V : 0.01~0.6MPa AC220V : 0.01~1.0MPa	
连接尺寸 Port Size	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2"	
连接方式 Port Thread	螺纹 Thread: 1/2"~2 1/2"	
通径(mm) Orifice	15, 20, 25, 32, 40, 50, 65	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
材料 Material	阀体 Body	UPVC
	密封件 Seal	氟橡胶/ 三元乙丙 FKM, EPDM
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



型号编制方式 Determine Valve Body Code



举例: HKFPP GSN 系列, 25mm通径, G螺纹1", UPVC阀体, 线圈型号YC1B, AC220V电压.
EXMAPLE: HKFPP SERIES, 25MM ORIFICE, 1"G, UPUC BODY, COIL YC1B,AC220V.

HKFPP系列电磁阀参数及尺寸 HKFPP series solenoid valve parameters and dimensions

Size mm	连接方式 Port Thread	Cv	使用温度 Temperature	压力 Pressure	电压 Voltage	外型尺寸 (mm) Boundary Dimension (mm)						
						L	H	W	C	A	K	D Flange Center Hole Spacing
15	G1/2"	4.2	UPVC ABS:≤50℃ CPVC ≤95℃	0.6MPa	AC220V AC110V AC24V DC24V DC12V	74	132	63.5	63.5	16	92	Φ64
	Flange1/2"					108						
20	G3/4"	5.8				80	137	63.5	63.5	19	92	Φ75
	Flange3/4"					125						
25	G1"	10				100	147	74	74	26	92	Φ85
	Flange1"					152						
32	G1-1/4"	15.2				120	194	94	94	30	94	Φ100
	F 1-1/4"					183						
40	G1-1/2"	21				130	200	94	94	32.5	94	Φ110
	F 1-1/2"					201						
50	G2"	40				172	225	155	155	42	94	Φ125
	F 2"					264						
65	G2-1/2"	52.6				190	-	-	-	50	-	Φ145
	F 2-1/2"					290						

特征 Characteristic	隔离膜片式结构, 聚四氟乙烯阀体耐强酸碱 Isolation diaphragm structure, PTFE Valve body resistant to strong acid and alkali	
介质 Medium	腐蚀性液体、酸碱等 Corrosive liquid, acid and alkali, etc.	
流体温度 Temperature	聚四氟乙烯 PTFE: -10℃~180℃	
压力 Pressure	0.00MPa~0.15MPa	
连接尺寸 Port Size	1/8", 1/4", 3/8", 1/2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/M8*1 BSPP, NPT, M8*1	
通径(mm) Orifice	3.6mm	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
材料 Material	阀体 Body	聚四氟乙烯 PTFE
	密封件 Seal	聚四氟乙烯/三元乙丙 PTFE, EPDM
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



型号 Type	通径 Orifice mm	连接尺寸 Port Size	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HKFP	30 - 3.0 60 - 6.0	1 - 1/8" 2 - 1/4" 3 - 3/8" 4 - 1/2"	G - G螺纹 N - NPT螺纹 M - M8×1	P-PTFE 聚四氟乙烯	P-PTFE 聚四氟乙烯 E-EPDM 三元乙丙	Y82B YD1B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

举例: HKFP 30 1 Y82B1, HKFP21 系列, 常闭NC, 3.0MM通径, G螺纹1/8", 聚四氟乙烯阀体, 聚四氟乙烯密封件, 线圈型号Y82B, AC220V电压。
EXMAPLE: HKFP SERIES, 3.0MM ORIFICE, 1/8"G, STAINLESS BODY, NBR SEAL, COIL Y82B, AC220V

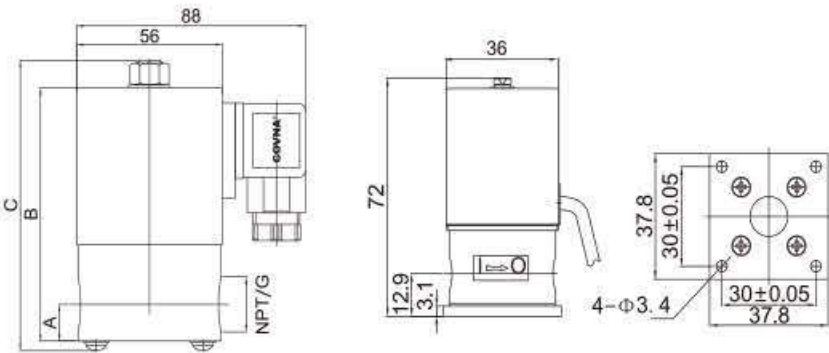
HKFP系列电磁阀 Y82B/YD1B线圈 HKFP Series, Y82B/YD1B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	阀身材料 Body Material	线圈 Coils
					AC(6VA)	DC(5W)			
HKFP2130X X X X	1/8"	3	0.1		0.3MPa	0.3MPa	PTFE 聚四氟乙烯 EPDM 三元乙丙	聚四氟乙烯 PTFE	Y82B
					AC(20VA)	DC(28W)			
HKFP2160X X X X	1/4"	6	0.28	0.0MPa	0.15MPa	0.15MPa			YD1B
HKFP2160X X X X	3/8"	6	0.28	0.0MPa	0.15MPa	0.15MPa			YD1B
HKFP2160X X X X	1/2"	6	0.28	0.0MPa	0.15MPa	0.15MPa			YD1B
HKFP2160X X X X	3/4"	6	0.28	0.0MPa	0.15MPa	0.15MPa			YD1B
HKFP2160X X X X	1	6	0.28	0.0MPa	0.15MPa	0.15MPa			YD1B

HKFP系列电磁阀尺寸图

Size Drawing For HKFP Series Solenoid Valve

Size	HKFP-1/4"	HKFP-3/8"	HKFP-1/2"
A	90	90	90
B	51	51	51
C	102	102	102
D	25	25	25



特征 Characteristic	1.直拉活塞式结构 2.启动压力0.03MPa 1. Direct lifting diaphragm construction with high frequency 2. Applied to pressure sytem opened from 0.03mpa	
介质 Medium	蒸汽, 热水, 油等 Steam and Hot Water, Oil, etc.	
流体温度 Temperature	聚四氟乙烯 P-PTFE: -20℃~180℃	
压力 Pressure	0.03-1.6MPa	
连接尺寸 Port Size	螺纹 Thread: 1/2"~2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	10, 15, 20, 25, 32, 40, 50	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	SA11B, 9VA(AC), 6W(DC), IP65, 100%ED S91B, 22VA(AC), 17W(DC), IP65, 100%ED	
材料 Material	阀体 Body	不锈钢 Stainless Steel, 黄铜 Brass
	密封件 Seal	聚四氟乙烯 PTFE
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



HKRSPS

型号编制方式 Determine Valve Body Code

型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HKRSPS	15、20、25 32、40、50	G - G/BSP G螺纹/BSP螺纹 N - NPT thread NPT螺纹	B - Brass 黄铜 S - Stainless steel 不锈钢	P-PTFE 聚四氟乙烯	SA11B S91B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、DC6V

举例: HKRSPS GSN S91B系列, 25mm通径, G螺纹1", 不锈钢阀体, PTFE密封件, 线圈型号S91B, AC220V电压, 接线盒连接。
EXMAPLE: HKRSPS SERIES, 25MM ORIFICE, 1"G, STAINLESS BODY, VITON SEAL, COIL S91B, AC220V, DIN

HKRSPS系列电磁阀参数及尺寸 HKRSPS series solenoid valve parameters and dimensions

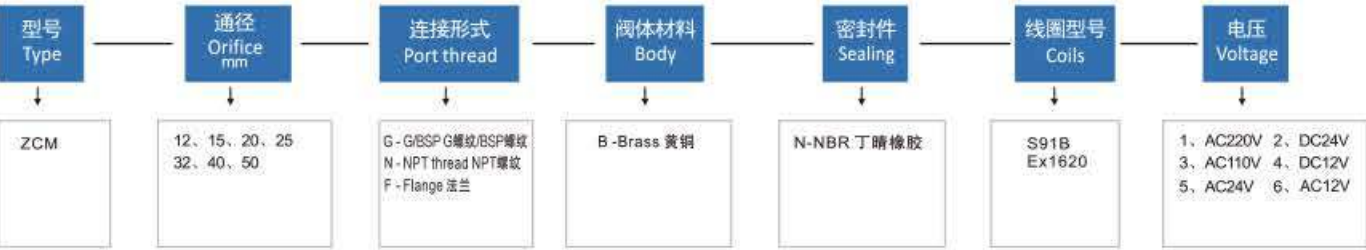
	Connection	孔口大小 orifice size (mm)	CV value	L (mm)	H (mm)	工作压力 WORKING PRESSURE(BAR)			
						N/C		N/O	
						AC	DC	AC	DC
HKRSPS	1/4"	8	1.8	50	98	0~16	0~16	-	-
HKRSPS	3/8"	10	3.1	50	98	0~16	0~16	-	-
HKRSPS	1/2"	15	4.8	70	135	0.4~16	0.4~16	0.4~8	0.4~8
HKRSPS	3/4"	20	7.6	75	142	0.4~16	0.4~16	0.4~8	0.4~8
HKRSPS	1"	25	12	94	152	0.4~16	0.4~16	0.4~8	0.4~8
HKRSPS	1 1/4"	32	20	110	165	0.4~12	0.4~12	0.4~8	0.4~8
HKRSPS	1 1/2"	40	31	122	170	0.4~12	0.4~12	0.4~8	0.4~8
HKRSPS	2"	50	48	168	194	0.4~12	0.4~12	0.4~8	0.4~8
HKRSPS	Flange	25	12	118	187	0.4~16	0.4~16	0.4~8	0.4~8
HKRSPS		32	20	140	218	0.4~12	0.4~12	0.4~8	0.4~8
HKRSPS		40	31	148	228	0.4~12	0.4~12	0.4~8	0.4~8
HKRSPS		50	48	182	243	0.4~12	0.4~12	0.4~8	0.4~8

ZCM系列 直拉膜片式, 煤气电磁阀
1/2"~2" 常闭NC

Direct Lifting Diaphragm Type, Civil Gas Solenoid Valve

特征 Characteristic	适用于煤气 Suitable for gas	
介质 Medium	煤气 Gas	
流体温度 Temperature	丁晴橡胶 N-NBR: -5°C~80°C	
压力 Pressure	0~0.4MPa	
连接尺寸 Port Size	螺纹 Thread: 1/2"~2" 法兰 Flange: 1/2"~4"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹/法兰 BSPP, NPT, FLANGE	
通径(mm) Orifice(mm)	15, 20, 25, 32, 40, 50	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S91B, 22VA(AC),17W(DC),IP65,100%ED EX1620,20VA(AC),16W(DC),IP65,100%ED	
材料 Material	阀体 Body	黄铜 Brass
	密封件 Seal	丁晴橡胶 NBR
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
分磁环 Shading Rings		紫铜 Copper

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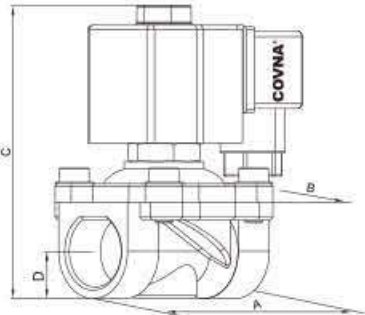


ZCM系列, 常闭NC, Ex1620线圈 ZCM Series Normally Closed, EX1620 Coil

Size	Port Size	Orifice mm	CV	Min Pressure	Max Pressure		Sealing Material	Body Material	Coils
					AC	DC			
ZCM11-15XXXX	1/2"	15	4.8	0.0MPa	1.0MPa	1.0MPa	丁晴橡胶 NBR	黄铜 Brass	EX1620
ZCM11-20XXXX	3/4"	20	8.6	0.0MPa	1.0MPa	1.0MPa			EX1620
ZCM11-25XXXX	1"	25	12	0.0MPa	1.0MPa	1.0MPa			EX1620
ZCM11-32XXXX	1 1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			EX1620
ZCM11-40XXXX	1 1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			EX1620
ZCM11-50XXXX	2"	50	48	0.0MPa	1.0MPa	1.0MPa			EX1620

ZCM系列电磁阀尺寸图
Size Drawing For ZCM Series Solenoid Valve

Size	ZCM15 XXX	ZCM20 XXX	ZCM25 XXX	ZCM32 XXX	ZCM40 XXX	ZCM50 XXX
A	68	68	95	125	125	170
B	56	56	72	95	95	125
C	95	102	115	170	170	210
D	13.5	16.5	20	30	30	38

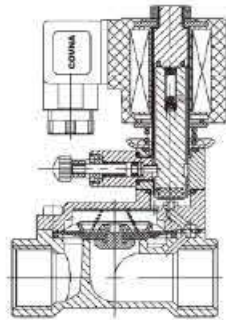


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HKXF系列 消防电磁阀
1/2"~2" 二位两通 常闭NC

Firefighting Solenoid Valve

特征 Characteristic	1. 手动按钮控制阀开关, 阀体断电保持开启 2. 适用于消防系统 1. Manual button controls the valve switch, the valve body keeps open after power off 2. Suitable for fire fighting system	
介质 Medium	水 Water	
流体温度 Temperature	丁晴橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V-VITON: -10°C~120°C	
压力 Pressure	0.5MPa~1.6MPa	
连接尺寸 Port Size	3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	15, 20, 25, 32, 40, 50, 65, 80, 100	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	Y21B,18VA(AC),16W(DC),IP65,100%ED	
材料 Material	阀体 Body	黄铜/不锈钢 Brass/Stainless Steel 304
	密封件 Seal	丁晴橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
分磁环 Shading Rings		紫铜 Copper



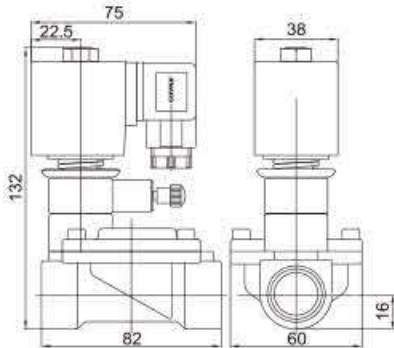
举例: HKXF 32 GSN S21B1HKXF 系列, 常闭NC, 32MM通径, G 螺纹 1 1/4", 不锈钢阀体, 丁晴橡胶密封件, 线圈型号 S21B, AC220V 电压, 接线盒连接。
EXMAPLE: HKXF SERIES, 32MM ORIFICE, 1-1/4"G, STAINLESS STEEL BODY, COIL S21B, AC220V, DIN.

HKXF系列, 常闭NC, S21B线圈 HKXF Series Normally Closed, S21B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure		密封材料 Sealing Material	阀身材料 Body Material	线圈 Coils
					AC(20VA)	DC(18W)			
HKXF12XXX	3/8"	12	4.5	0.05MPa	1.60MPa	1.60MPa	丁晴橡胶 NBR 乙烷丙烯 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel	S21B
HKXF15XXX	1/2"	15	4.5	0.05MPa	1.60MPa	1.60MPa			S21B
HKXF20XXX	3/4"	20	9.3	0.05MPa	1.60MPa	1.60MPa			S21B
HKXF25XXX	1"	25	12	0.05MPa	1.60MPa	1.60MPa			S21B
HKXF32XXX	1 1/4"	32	24	0.05MPa	1.60MPa	1.60MPa			S21B
HKXF40XXX	1 1/2"	40	29	0.05MPa	1.60MPa	1.60MPa			S21B
HKXF50XXX	2"	50	48	0.05MPa	1.60MPa	1.60MPa			S21B
HKXF65XXX									S21B

HKXF系列电磁阀尺寸图
Size Drawing For HKXF Series Solenoid Valve

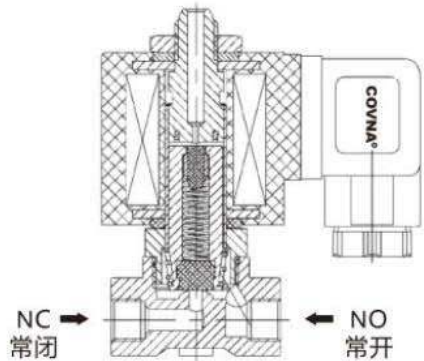
Size	HKXF12	HKXF15	HKXF20	HKXF25	HKXF32	HKXF40	HKXF50
A	75	75	83	100	130	130	157
B	48	60	56	72	96	96	122
C	124	124	134	145	165	165	178
D	13	13	16	20	26	26	34



HKG11系列 两位三通直动式电磁阀
1/4"~1/2" 二位三通 紧凑型,常开NO/常闭NC
Direct Acting Type

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介质 Medium	空气, 煤气, 水, 油等 Air, gas, water, oil, etc.	
流体温度 Temperature	丁腈橡胶 N-NBR: -5°C~80°C 三元乙丙 E-EPDM: -5°C~100°C 氟橡胶 V- VITON: -10°C~120°C	
压力 Pressure	0~1.0MPa	
连接尺寸 Port Size	1/4", 3/8", 1/2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	8, 10, 15	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S91B,22VA(AC),17W(DC),IP65,100%ED	
材料 Material	阀体 Body	不锈钢/黄铜 Stainless Steel,Brass
	密封件 Seal	丁腈橡胶/三元乙丙/氟橡胶 NBR,EPDM,VITON
	隔磁管Armature Tube	不锈钢 Stainless Steel304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环Shading Rings	紫铜 Copper

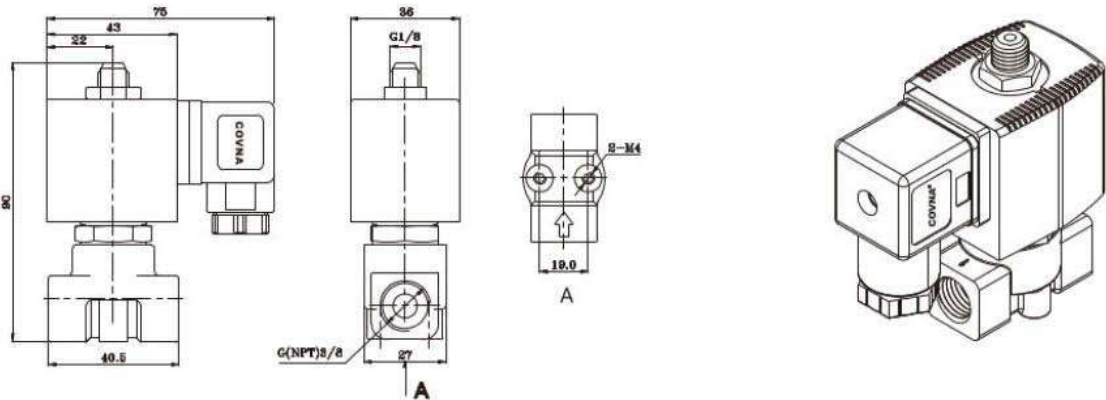


型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HKG11	1/4"-08 3/8"-10 1/2"-15	G · G/BSP G螺纹/BSP螺纹 N · NPT thread NPT螺纹	B - Brass 黄铜 S - Stainless steel 不锈钢	N-NBR 丁腈橡胶 E-EPDM 三元乙丙 V-VITON 氟橡胶	S91B S92B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V 7、DC36V

举例：HKG11 GSN S91B系列, 1/4"通径, G螺纹1/4", 不锈钢阀体, 丁腈橡胶密封件, 线圈型号S91B,AC220V电压, 接线盒连接。
EXMAPLE: HKG11 SERIES,08MM ORIFICE, 1/4"G, STAINLESS BODY, NBR SEAL, COIL S91B, AC220V, DIN

HKG11系列, 常闭NC, S91B线圈 HKG11 Series Normally Closed, S91B Coil

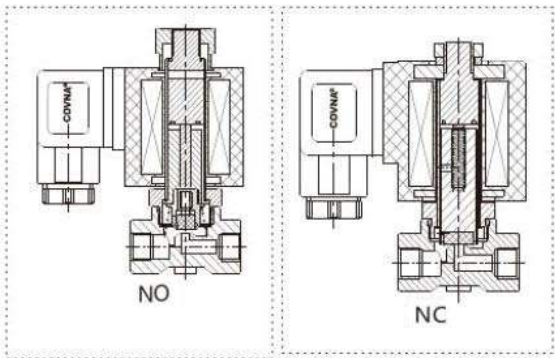
Size	端口大小 Port Size	孔口大小 Orifice/MM	Top (mm)	Cv	最小压力 Min Pressure	最大压力 Max Presuure		密封材料 Sealing Material	阀身材料 Body Material	线圈 Coils
						AC(22VA)	DC(17W)			
HKG1108	1/4"	1.6	1.5	0.25	0.0MPa	1.5MPa	1.5MPa	丁腈橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel	S91B
HKG1108	1/4"	2.5	1.5	0.35	0.0MPa	1.5MPa	1.5MPa			S91B
HKG1108	1/4"	3.0	1.5	0.4	0.0MPa	1.5MPa	1.5MPa			S91B
HKG1108	1/4"	3.5	1.5	0.5	0.0MPa	1.5MPa	1.5MPa			S91B
HKG1108	1/4"	4.0	1.5	0.61	0.0MPa	1.5MPa	1.5MPa			S91B



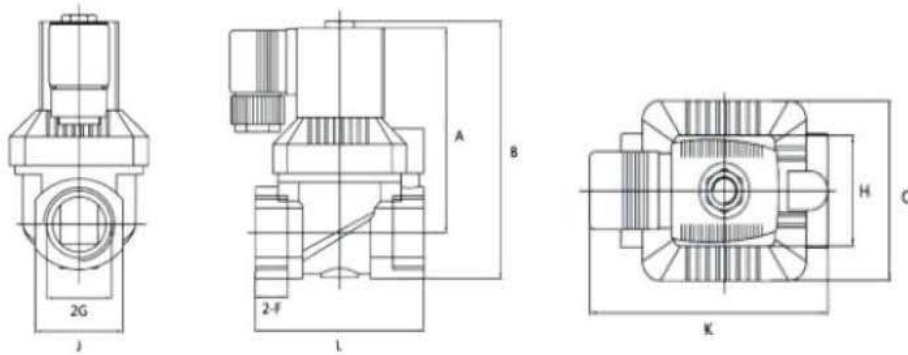
科威納 COVNA®

Hk2231015系列 先导活塞式电磁阀
1/4"~2" 二位两通 紧凑型
Pilot Operated Piston Type Solenoid valve

特征 Characteristic	1.开启时压力低, 流量大, 生命周期可以达到100万次 2.噪音低、稳定的工作, 可降低瞬态压力, 防止水锤现象 1. When opening, the pressure is low, the flow is large, and the life cycle can reach 1 million times 2. Low noise and stable work can reduce transient pressure and prevent water hammer	
介质 Medium	水, 空气, 油, 弱碱, 煤气, 液化气等 Water, air, oil, weak alkali, coal gas, liquefied gas, etc.	
流体温度 Temperature	氟橡胶 VITON: -10°C~120°C 三元乙丙 EPDM: -5°C~100°C	
压力 Pressure	0.03MPa~1.6MPa	
连接尺寸 Port Size	螺纹 Thread: 1/4"~2"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	8.0, 10.0, 13.0, 15, 20, 25, 32,40, 50	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
材料 Material	阀体 Body	不锈钢/黄铜 Stainless Steel, Brass
	密封件 Seal	氟橡胶/三元乙丙 VITON, EPDM
	隔磁管Armature Tube	不锈钢 Stainless Steel304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环Shading Rings	紫铜 Copper



型号 Type	通径 Orifice mm	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
HK22310	8, 10, 13, 15, 20, 25, 32, 40, 50	G · G/BSP G螺纹/BSP螺纹 N · NPT thread NPT螺纹	B - Brass 黄铜 S - Stainless steel 不锈钢	E-EPDM 三元乙丙 V-VITON 氟橡胶	BD-A-3	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V



Size	G	Cv	C	F	L	J	A	B	H	K
HK2231015B-15	1/2"	3.6	45	16	52	27	82	96	40	80
HK2231015B-20	3/4"	8.3	45	16	63	31	82	96	40	80
HK2231015B-25	1"	11	65	18	82	41	96	117	40	90
HK2231015B-32	1 1/4"	25	96	20	132	58	112	145	40	132
HK2231015B-40	1 1/2"	30	96	20	132	58	112	145	40	132
HK2231015B-50	2"	45	111	22	160	70	125	166	40	160

介质 Medium	空气、水、热水、瓦斯、液体、油(≤20CST)等 Air, water, hot water, gas, liquid, oil (≤20CST), etc.	
流体温度 Temperature	丁晴橡胶 N-NBR:-5℃~80℃ 三元乙丙 E-EPDM:-5℃~100℃ 氟橡胶 V-VITON:-10℃~120℃	
压力 Pressure	0~1.5MPa	
连接尺寸 Port Size	1/4", 1/8"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
通径(mm) Orifice	10, 15, 20, 25, 32, 40	
电压 Voltage	DC-12V,24V AC-24V,120V,240V/60Hz,110V,220V/50Hz	
范围 Tolerance	±10%	
线圈 Coils	S91B,22VA(AC),17W(DC),IP65,100%ED S11B,20VA(AC),15W(DC),IP65,100%ED	
材料 Material	阀体 Body	不锈钢/黄铜 Stainless Steel,Brass
	密封件 Seal	丁晴橡胶/三元乙丙/氟橡胶 NBR,EPDM,VITON
	隔磁管 Armature Tube	不锈钢 Stainless Steel304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper

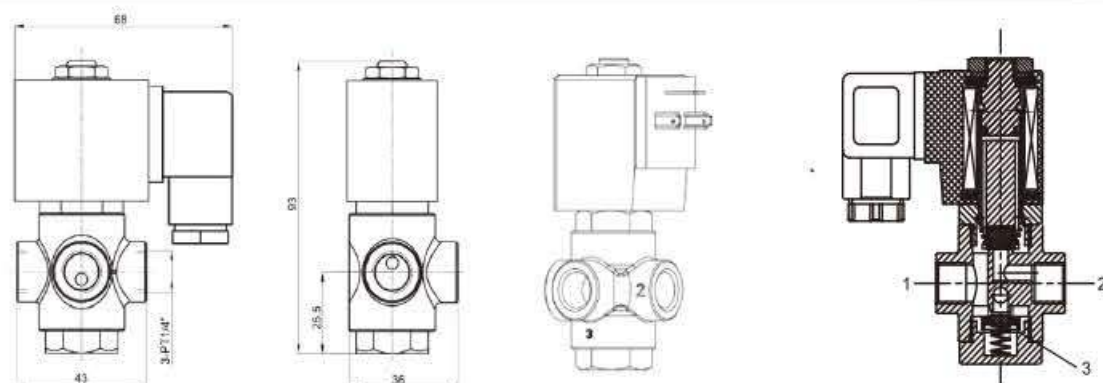


阀口状态 Port	1进气口(HX23) Connection port 1			2进气口(CB23) Connection port 2			3进气口(CK23) Connection port 3		
	2	1	3	3	1	2	3	1	2
工作状态 Working status									
断电 Power off		→		↔			→		
通电 Power ups	←			←			↔		

型号 Type	通径 Orifice mm	连接尺寸 Port Size	连接形式 Port thread	阀体材料 Body	密封件 Sealing	线圈型号 Coils	电压 Voltage
VX31	1/8" 1/4"	10 - 1.0 15 - 1.5 20 - 2.0 25 - 2.5 30 - 3.0 40 - 4.0	G·G BSP G 螺纹/BSP 螺纹 N·NPT 螺纹 NPT 螺纹	B-Brass 黄铜 S-Stainless steel 不锈钢	N-NBR 丁晴橡胶 E-EPDM 三元乙丙 V-VITON 氟橡胶	S91B S11B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、AC12V

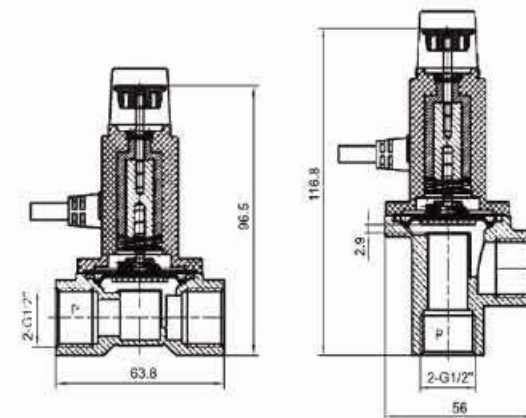
VX31系列, 常闭NC, S11B 线圈 VX31 Series Normally Closed, S11B Coil

Size	端口大小 Port Size	孔口大小 Orifice/MM	Cv	最小压力 Min Pressure	最大压力 Max Pressure	密封材料 Sealing Material	阀身材料 Body Material	线圈 Coils
VX31-10	1/8"	10	0.05	0.0MPa	1.5MPa	丁晴橡胶 NBR 三元乙丙 EPDM 氟橡胶 VITON	黄铜 Brass 不锈钢 stainless steel	S11B
VX31-15	1/8"	15	0.07	0.0MPa	1.3MPa			S11B
VX31-20	1/8"	20	0.14	0.0MPa	1.1MPa			S11B
VX31-25	1/8"	25	0.21	0.0MPa	0.9MPa			S11B
VX31-32	1/8"	32	0.25	0.0MPa	0.6MPa			S11B
VX31-40	1/8"	40	0.35	0.0MPa	0.4MPa			S11B
VX31-10	1/4"	10	0.05	0.0MPa	1.5MPa			S11B
VX31-15	1/4"	15	0.07	0.0MPa	1.3MPa			S11B
VX31-20	1/4"	20	0.14	0.0MPa	1.1MPa			S11B
VX31-25	1/4"	25	0.21	0.0MPa	0.9MPa			S11B
VX31-32	1/4"	32	0.25	0.0MPa	0.6MPa			S11B
VX31-40	1/4"	40	0.35	0.0MPa	0.4MPa			S11B



HKPS01系列 螺纹连接 HKPS01 Series Normally Closed, Thread port

特征 Characteristic	通电瞬间关闭，手动才能恢复打开 Turn off immediately after power-on, and turn it back on manually	
介质 Medium	煤气、天然气、液化石油气等中性无腐蚀性气体 gas, natural gas, liquefied petroleum gas, Neutral non-corrosive gas	
流体温度 Temperature	丁晴橡胶 N-NBR: -5℃~80℃	
压力 Pressure	0~0.8MPa	
连接尺寸 Port Size	螺纹 Thread: 1/2", 3/4", 1"	
连接方式 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT	
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz	
范围 Tolerance	±10%	
材料 Material	阀体 Body	铝合金/铜镀镍 Aluminum alloy/copper nickel plate
	密封件 Seal	丁晴橡胶 NBR
	隔磁管 Armature Tube	不锈钢 Stainless Steel 304
	动铁芯 Plunger	不锈钢 Stainless Steel 430F
	静铁芯 Stop	不锈钢 SS 430F
	弹簧 Springs	不锈钢 SS 304
	分磁环 Shading Rings	紫铜 Copper



HKPS02系列 法兰连接 HKPS02 Series Normally Open, Flange port

特征 Characteristic	通电瞬间关闭, 手动才能恢复打开 Turn off immediately after power-on, and turn it back on manually
介质 Medium	煤气、天然气、液化石油气等中性无腐蚀气体 gas, natural gas, liquefied petroleum gas, Neutral non-corrosive gas
流体温度 Temperature	N-NBR: -5°C~80°C
压力 Pressure	0.05~1.6MPa
连接尺寸 Port Size	Flange 1-1/2", 2", 2-1/2", 3", 4", 5", 6", 8"
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz, 110V, 220V/50Hz
范围 Tolerance	±10%
阀体材料 Body Material	铝合金/铜镀镍 Cast steel, stainless steel



HKPS02

HKPS02系法兰尺寸图 Size Drawing For HKPS02 Series Solenoid Valve

Size	长 Long	高 High	法兰 D Flange	法兰中心孔 D1 Flange center hole	法兰凸面 D2 Flange raised face	法兰孔 n-φd Flange hole n-φ d
HKPS02-DN40	200	310	φ145	φ110	φ85	4-φ18
HKPS02-DN50	230	325	φ160	φ125	φ100	4-φ18
HKPS02-DN65	290	400	φ180	φ145	φ120	4-φ18
HKPS02-DN80	310	435	φ195	φ160	φ135	8-φ18
HKPS02-DN100	350	460	φ215	φ180	φ155	8-φ18
HKPS02-DN125	400	560	φ245	φ210	φ185	8-φ18
HKPS02-DN150	480	600	φ280	φ240	φ210	8-φ18
HKPS02-DN200	600	650	φ335	φ295	φ265	12-φ22

特征 Characteristic	1. 直动式低功率电磁阀 2. 食品级阀体, 适用于RO系统, 洗衣机等。 1. Direct acting miniature construction at low power consumption 2. Food class body material available for RO system, washer, miller, etc.
介质 Medium	空气、水、蒸汽等。 Air, Water, Steam, etc.
温度 Temperature	丁腈橡胶 NBR Seal: -10°C to 80°C 三元乙丙 EPDM Seal: -10°C to 80°C 氟橡胶 VITON Seal: -10°C to 120°C
压力 Pressure	HKW1: 0.0Mpa~0.7Mpa 2.5mm HKW2: 0.0Mpa~0.7Mpa 2.5mm HKW3: 0.0Mpa~0.1Mpa 2.5mm HKW5: 0.0Mpa~0.05Mpa 10mm HKWS6: 0.0Mpa~0.05Mpa 5mm HKWS11: 0.0Mpa~0.7Mpa 2.5mm
端口大小 Port Size	见如下参数 See the data below
端口线程 Port Thread	BSPP螺纹/NPT螺纹 BSPP, NPT
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz; 110V, 220V/50Hz
公差 Tolerance	±10%
线圈 Coils	AB12B, 6VA(AC), 6W(DC), Ip65, 100%ED SA11B, 9VA(AC), 8W(DC), Ip65, 100%ED SA12B, 9VA(AC), 8W(DC), Ip65, 100%ED
原料 Material	阀体 Body - PP, POM 密封件 Seal - BSPP/ BSPT/ NPT螺纹/硅胶 BSPP, BSPT, NPT, Silicon Rubber 动铁芯 Plunger - Stainless Steel 430F 静铁芯 Stop - SS403F 弹簧 Springs - SS 304



HKW1



HKW2



HKW3



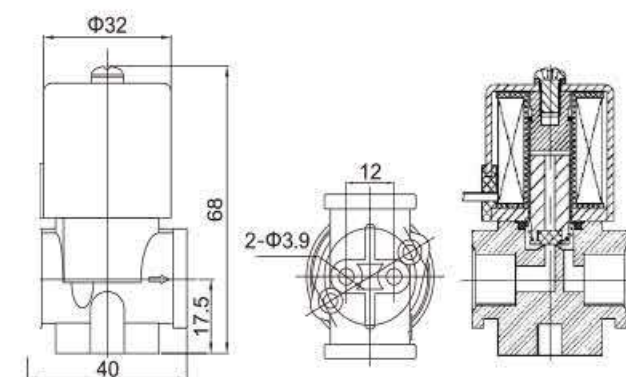
HKW5



HKWS11



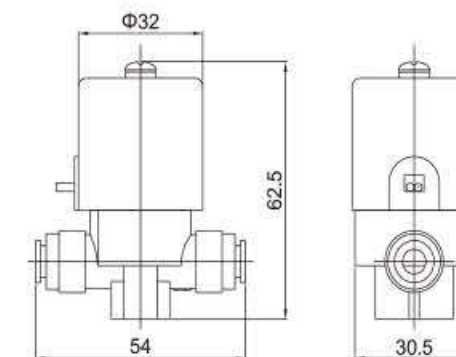
HKWS6

**HKW1**

Media: Water, steam, oil etc.
Media TEP.: -10°C~80°C
Body: PP
Pre.:0~7.0 Bar
Port: NPT 1/4"
Orifice: DN2.5
Seal: NBR, EPDM, VITON

HKW1

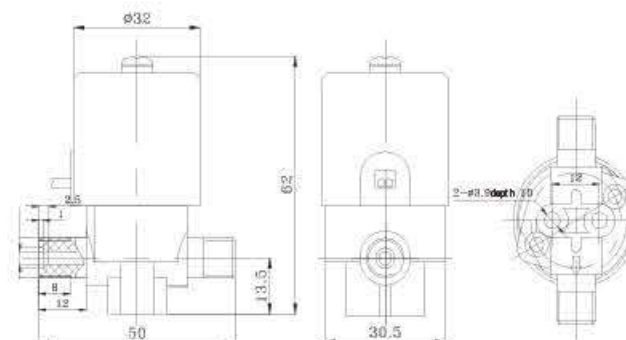
介质: 水、空气、油等。
介质温度: -10°C~80°C
阀体: PP
压力: 0~7.0 Bar
端口: NPT 1/4"
孔口: DN2.5
密封件: NBR、EPDM、
氟橡胶

**HKW2**

Media: Water, steam, oil etc.
Media TEP.: -10°C~80°C
Body: POM
Pre.:0~7.0 Bar
Port: PE pipe with Φ6.35mm
outer dia.
Orifice: DN2.5
Seal: NBR, EPDM, VITON

HKW2

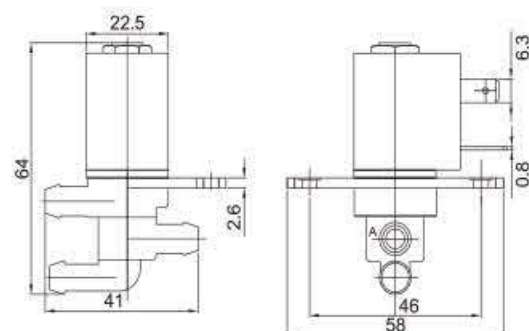
介质: 水、空气、油等。
介质温度: -10°C~80°C
阀体: PP
压力: 0~7.0 Bar
端口: PE管, Φ6.35mm
孔口: DN2.5
密封件: NBR、EPDM、
氟橡胶

**HKW3**

Media: Water, steam, oil etc.
Media TEP.: -10°C~80°C
Body: POM
Pre.:0~1.0 Bar
Port: G1/8"
Orifice: DN2.3
Seal: NBR, EPDM, VITON

HKW3

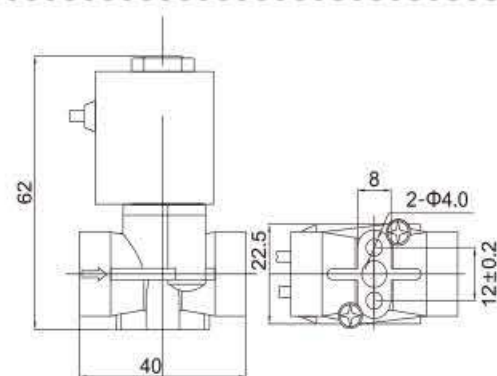
介质: 水、蒸汽、油等。
介质温度: -10°C~80°C
阀体: POM
压力: 0~1.0 Bar
端口: G1/8"
孔口: DN2.3
密封件: NBR、EPDM、
氟橡胶

**HKWS6**

Media: Water, air, oil etc.
Media TEP.: -10°C~100°C
Body: POM
Pre.:0~0.5 Bar
Port: Φ8.4mm outer dia.
Orifice: DN5.0
Seal: Silicon rubber

HKWS6

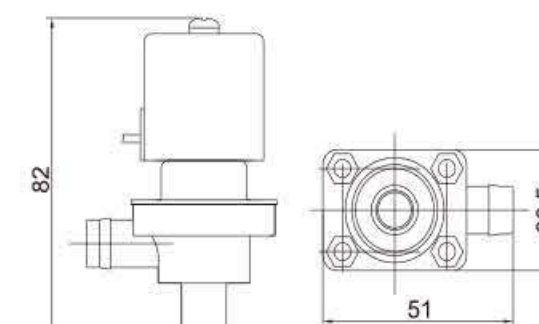
介质: 水、空气、油等。
介质温度: -10°C~100°C
阀体: POM
压力: 0~0.5 Bar
端口: Φ8.4mm外径。
孔口: DN5.0
密封件: 硅橡胶

**HKWS11**

Media: Water, steam, oil,
hot water etc.
Media TEP.: -10°C~80°C
Body: PP
Pre.:0~7.0 Bar
Port: NPT 1/4"
Orifice: DN2.5
Seal: NBR, EPDM, VITON

HKWS11

介质: 水、空气、油、蒸汽、
热水等。
介质温度: -10°C~80°C
阀体: PP
压力: 0~7.0 Bar
端口: NPT 1/4
孔口: DN2.5
密封件: NBR、EPDM、氟橡胶

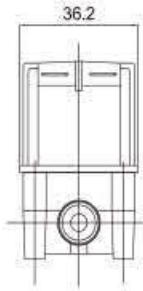
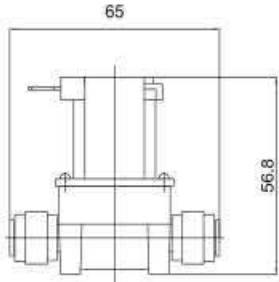
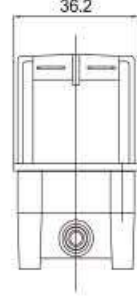
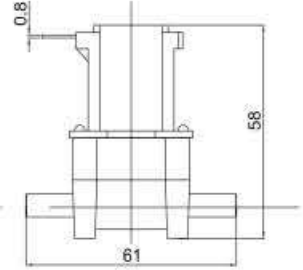
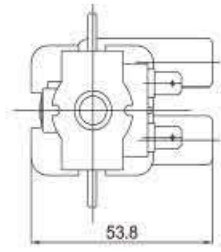
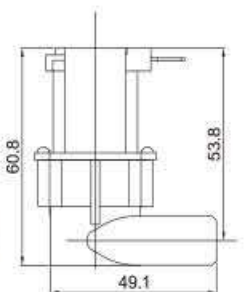
**HKW5**

Media: Water, steam, oil etc.
Media TEP.: -10°C~100°C
Body: PP
Pre.:0~0.5 Bar
Port: G1/4" with Φ12.5mm
outer dia.
Orifice: DN10
Seal: Silica Gel

HKW3

介质: 水、蒸汽、油等。
介质温度: -10°C~100°C
阀体: PP
压力: 0~0.5 Bar
端口: G1/4", 带
Φ12.5mm外径。
孔口: DN10
密封件: 硅胶

特征 Characteristic	1. 直动式低功率电磁阀 2. 食品级阀体，适用于RO系统，洗衣机等。
	1.Direct acting miniature construction at low power consumption 2.Food class body material available for RO system, washer, miller, etc.
介质 Medium	空气、水、蒸汽等。 Air, Water, Steam, etc.
温度 Temperature	氟橡胶 VITON Seal:-10°C to 120°C
压力 Pressure	见如下参数 See the data below
端口线程 Port Thread	见如下参数 See the data below
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz;110V, 220V/50Hz
公差 Tolerance	±10%
线圈 Coils	SA41B,6VA(AC),6W(DC), IP65,100%ED
原料 Material	阀体 Body - PP, POM
	密封件 Seal - 氟橡胶 VITON
	动铁芯 Plunger - 不锈钢 Stainless Steel 430F
	静铁芯 Stop - SS403F 弹簧 Springs - SS 304

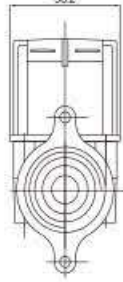
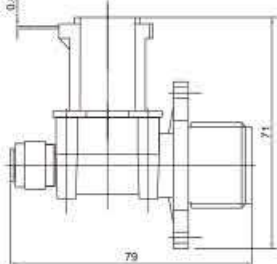


HKWS610-01

Media: Water, air, oil etc.
Media TEP.: -10°C~80°C
Body: POM
Pre.:0 - 8.0 Bar
Port: PE Pipeline,
Φ6.35mm outer dia.
Orifice: DN10
Seal: Silicon rubber, NBR

HKWS610-01

介质：水、空气、油等。
介质温度：-10° C~80°C
阀体：POM
压力：0 - 8.0 Bar
端口：PE 管道，
Φ6.35mm外径。
孔口：DN10
密封件：硅橡胶，NBR

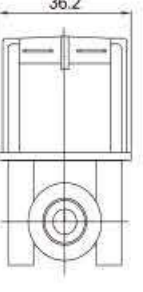
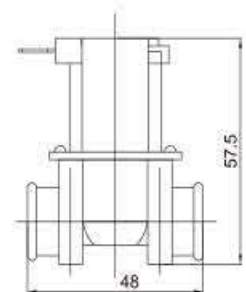


HKWS610-06

Media: Water, air, oil etc.
Media TEP.: -10°C~80°C
Body: POM
Pre.:0 - 8.0Bar
Port: G3/4" Outside thread
PE Pipeline,
Φ6.35mm outer dia.
Orifice: DN10
Seal: Silicon rubber, NBR

HKWS610-06

介质：水、空气、油等。
介质温度：-10° C~80°C
阀体：POM
压力：0 - 8.0Bar
端口：G3/4 " 外螺纹PE 管道，
Φ6,35mm外径。
孔口：DN10
密封件：硅橡胶，NBR

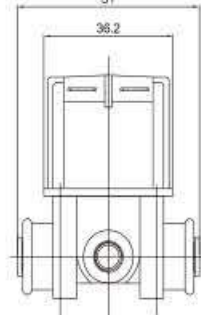
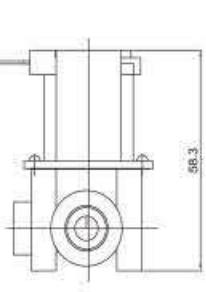


HKWS610-02

Media: Water, air, oil etc.
Media TEP.: -10°C~80°C
Body: PP
Pre.:0 - 8.0 Bar
Port:NPT1/4"
Orifice: DN10
Seal: Silicon rubber, NBR

HKWS610-02

介质：水、空气、油等。
介质温度：-10° C~80°C
阀体：PP
压力：0 - 8.0 Bar
端口：NPT1/4 " 孔口：DN10
密封件：硅橡胶，NBR

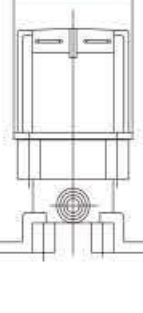
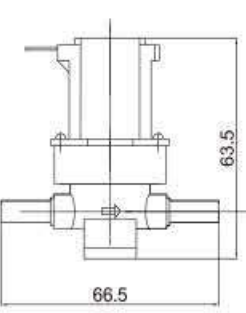


HKWS610-01C

At a pressure of 4BAR, 300cc/min
Media: Water, air, oil etc.
Media TEP.: -10°C~80°C
Body: POM
Pre.:0 - 8.0Bar
Port: PE Pipeline, Φ6.35mm outer dia.
Orifice: DN10
Seal: Silicon rubber, NBR

HKWS610-01C

在4BAR的压力下，300立方厘米/分钟
介质：水、空气、油等。
介质温度：-10° C~80°C
阀体：POM
压力：0 - 8.0Bar
端口：PE 管道，Φ6.35mm外径。
孔口：DN10
密封件：硅橡胶，NBR

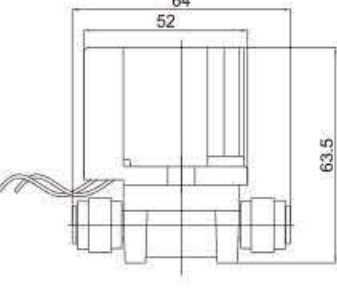
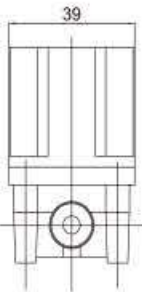


HKWS610-03

Media: Water, air, oil etc.
Media TEP.: -10°C~80°C
Body: POM
Pre.:0 - 8.0 Bar
Port: Φ6.35mm outer dia.
Orifice: DN10
Seal: Silicon rubber, NBR

HKWS610-03

介质：水、空气、油等。
介质温度：-10° C~80°C
阀体：POM
压力：0 - 8.0 Bar
端口：外径Φ6.35mm。
孔口：DN10
密封件：硅橡胶，NBR



HKWS610-01S

18 seconds delay automatic flush
Media: Water, air, oil etc.
Media TEP.: -10°C~80°C
Body: POM
Pre.:0 - 8.0Bar
Port: PE Pipeline, Φ6.35mm outer dia.
Orifice: DN10
Seal: Silicon rubber, NBR

HKWS610-01C

18秒延迟自动冲洗
介质：水、空气、油等。
介质温度：-10° C~80°C
阀体：POM
压力：0 - 8.0Bar
端口：PE 管道，Φ6.35mm外径。
孔口：DN10
密封件：硅橡胶，NBR

特征 Characteristic	1. 直动式电磁阀 2. TUV认证, 可用于咖啡机, 电熨斗, 蒸汽清洗机 1. Direct acting miniature construction at low power consumption 2. With TUV certificate for household appliance use like coffee machine, electrical iron, steam cleaner
介质 Medium	空气、水、蒸汽等。Air, Water, Steam, etc.
温度 Temperature	氟橡胶 VITON Seal: -10°C to 120°C
压力 Pressure	0.0 MPa~2.0 MPa
端口线程 Port Thread	见如下参数 See the data below
电压 Voltage	DC-12V, 24V AC-24V, 120V, 240V/60Hz; 110V, 220V/50Hz
公差 Tolerance	±10%
线圈 Coils	SA11B, 6.5W, IP H, 100%ED
原料 Material	阀体 Body - 黄铜 Brass 密封件 Seal - 氟橡胶 VITON 动铁芯 Plunger - 不锈钢 Stainless Steel 430F 静铁芯 Stop - SS403F 弹簧 Springs - SS 304



5515-02



5515-03



5515-04



5515-05



5515-06



5515-07



5515-08



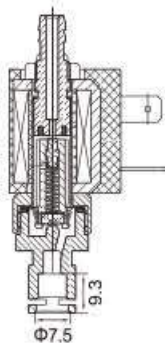
5515-09

5515-02 2Way NO

Media: Water, air, oil,
hot water etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~20.0 Bar
Port: Body: PTFE pipe with or
Φ4.0mm outer dia.
Top: Φ7.0mm outer dia.
Orifice: DN1.5
Seal: VITON

5515-02 2Way NO

介质: 水、空气、油、
热水等。
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~20.0 Bar
端口:
阀体: PTFE管,
带Φ4.0mm外径。
顶部: 外径Φ7.0mm。
孔口: DN1.5
密封: 氟橡胶



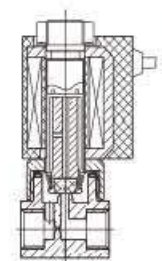
Φ7.5

5515-03

Media: Water, air, oil,
hot water etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~10.0 Bar
Port: G1/8" or NPT1/8"
Orifice: DN2.5
Seal: VITON

5515-03

介质: 水、空气、油、
热水等。
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~10.0 Bar
端口: G1/8 "或NPT1/8"
孔口: DN2.5
密封: 氟橡胶

**5515-04 3Way**

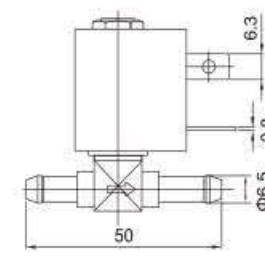
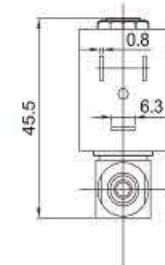
Media: Water, air, oil,
hot water etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~20.0 Bar
Port: Flange bracket
Orifice: DN1.0, 1.5, 2.0
Seal: VITON

5515-04 3Way

介质: 水、空气、油、
热水等。
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~20.0 Bar
端口: 法兰支架
孔口: DN1.0, 1.5, 2.0
密封: 氟橡胶



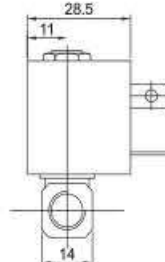
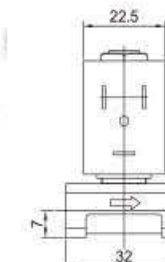
Seal: VITON

**5503-01 NC**

Media: Water, air, oil,
hot water etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~10.0 Bar
Port: G1/8" or NPT1/8"
Orifice: DN2.0
Seal: VITON

5503-01 NC

介质: 水、空气、油、
热水等。
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~10.0巴
端口: G1/8 "或NPT1/8"
孔口: DN2.0
密封: 氟橡胶

**5503-02**

Media: Water, air, oil,
hot water etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~6.0 Bar
Port: G1/8" or NPT1/8"
Orifice: DN2.0, 2.8
Seal: VITON

5503-02

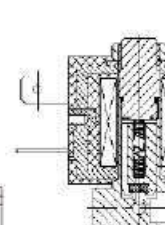
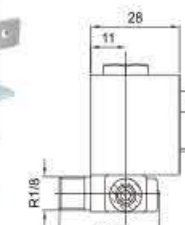
介质: 水、空气、油、
热水等。
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~6.0 Bar
端口: G1/8 "或NPT1/8"
孔口: DN2.0, 2.8
密封: 氟橡胶

5523

Media: Water, air, oil,
hot water etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~10.0 Bar
Port: Inlet: R1/8" or NPT1/8"
Outlet: Φ6.2mm outer dia.
Orifice: DN2.3
Seal: VITON

5523

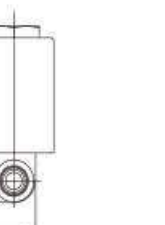
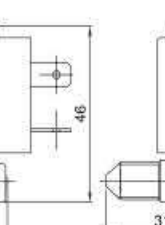
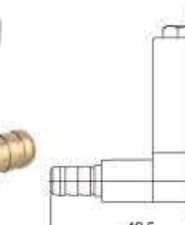
介质: 水、空气、油、
热水等。
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~10.0 Bar
端口: 入口: R1/8 "或NPT1/8"
出口: 外径Φ6.2mm。
孔口: DN2.0
密封: 氟橡胶

**5524-03**

Media: Water, air, oil,
hot water etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~10.0 Bar
Port: Inlet: G1/8" or NPT1/8"
Outlet: Φ7.5mm outer dia.
Orifice: DN2.3
Seal: VITON

5524-03

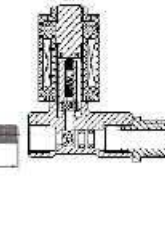
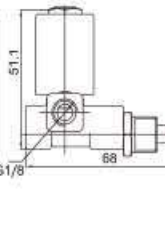
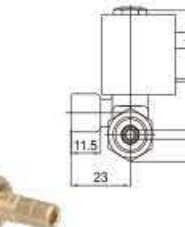
介质: 水、空气、油、
热水等。
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~10.0 Bar
端口: 入口: G1/8 "或NPT1/8"
出口: 外径Φ7.5mm
孔口: DN2.3
密封: 氟橡胶

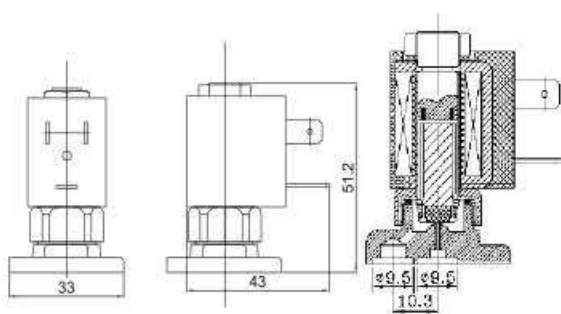
**5531-03**

Media: Gas etc.
Media TEP: -10°C~150°C
Body: Brass
Pre.: 0~6.0 Bar
Port: G1/8" or NPT1/8"
Orifice: DN2.8
Adjustable orifice: DN0.75, 1.0, 1.35
Seal: VITON

5531-03

介质: 气体等
介质温度: -10°C~150°C
阀体: 黄铜
压力: 0~6.0 Bar
端口: G1/8 "或NPT1/8"
出口: 外径Φ7.5mm
孔口: DN2.8
可调孔板: DN0.75、1.0、1.35
密封: 氟橡胶

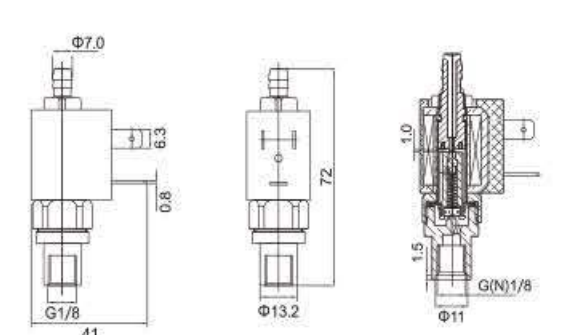


**5515-05**

Media: Water, air, oil,
hot water etc.
Media TEP.: -10°C~150°C
Body: Brass
Pre.: 0~20.0 Bar
Port: Flange bracket
Orifice: DN1.0, 1.5, 2.0
Seal: VITON

5515-05

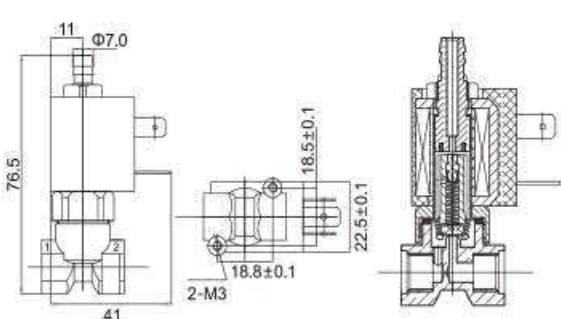
介质: 水、空气、油、
热水等。
介质温度: -10°C ~ 150°C
阀体: 黄铜
压力: 0 ~ 20.0 Bar
端口: 法兰支架
孔口: DN1.0、1.5、2.0
密封: 氟橡胶

**5515-06**

Media: Water, air, oil,
hot water etc.
Media TEP.: -10°C~150°C
Body: Brass
Pre.: 0~20.0 Bar
Port: G1/8" or NPT1/8"
Orifice: DN2.0
Seal: VITON

5515-06

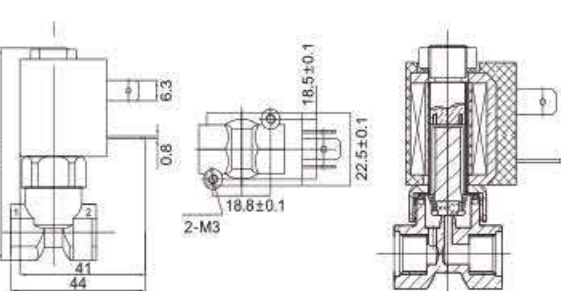
介质: 水、空气、油、
热水等。
介质温度: -10°C ~ 150°C
阀体: 黄铜
压力: 0 ~ 20.0 Bar
端口: G1/8 "或NPT1/8"
孔口: DN2.0
密封: 氟橡胶

**5515-05-07 3Way**

Media: Water, air, oil,
hot water etc.
Media TEP.: -10°C~150°C
Body: Brass
Pre.: 0~20.0 Bar
Port: Body: G1/8" or NPT1/8"
Top: $\Phi 7.0$ mm outer dia.
Orifice: DN1.0, 1.2, 1.5
Seal: VITON

5515-05-07 3Way

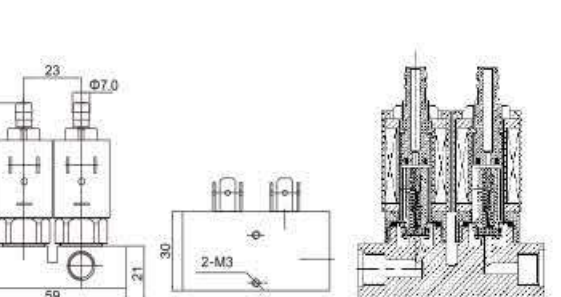
介质: 水、空气、油、
热水等。
介质温度: -10°C ~ 150°C
阀体: 黄铜
压力: 0 ~ 20.0 Bar
端口: G1/8 "或NPT1/8"
顶部: 外径 $\Phi 7.0$ mm
孔口: DN1.0、1.2、1.5
密封: 氟橡胶

**5515-08**

Media: Water, steam,
hot water etc.
Media TEP.: -10°C~150°C
Body: Brass
Pre.: 0~20.0 Bar
Port: G1/8" or NPT1/8"
Orifice: DN1.0, 1.5, 2.0, 2.6
Seal: VITON

5515-08

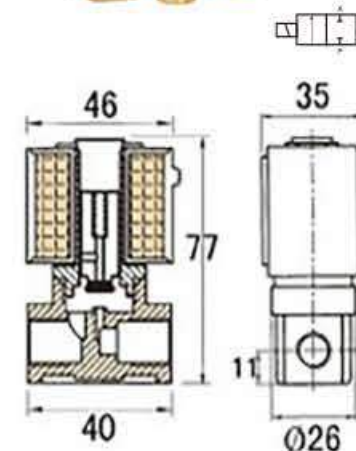
介质: 水、空气、热水等。
介质温度: -10°C ~ 150°C
阀体: 黄铜
压力: 0 ~ 20.0 Bar
端口: G1/8 "或NPT1/8"
顶部: 外径 $\Phi 7.0$ mm
孔口: DN1.0、1.5、2.0、2.6
密封: 氟橡胶

**5515-09**

Combination valve
Media: Water, air, oil,
hot water etc.
Media TEP.: -10°C~150°C
Body: Brass
Pre.: 0~15.0 Bar
Port: Inlet & body: G1/8" or NPT1/8"
Top: $\Phi 7.0$ mm outer dia.
Orifice: DN1.0
Seal: VITON

5515-09

介质: 水、空气、热水等。
介质温度: -10°C ~ 150°C
阀体: 黄铜
压力: 0 ~ 15.0 Bar
端口: G1/8 "或NPT1/8"
顶部: 外径 $\Phi 7.0$ mm
孔口: DN1.0、1.5、2.0、2.6
密封: 氟橡胶

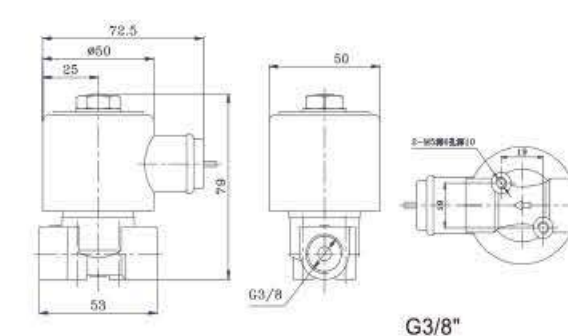
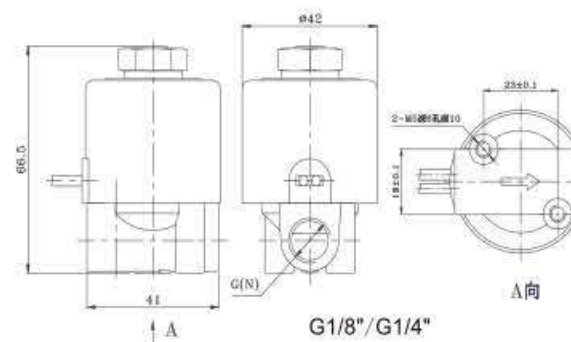


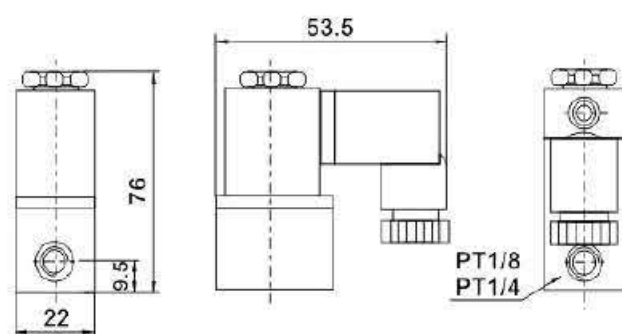
产品型号 Product Size	VX2120
工作介质 Working medium	空气、水、油 Air, Water, Oil
动作方式 Operation method	常闭型 Normal close type
连接方式 Connection type	G Thread
流量孔径(mm) Aperture of flow rate(mm)	2.5
连接尺寸 Port size	1/8", 1/4"
工作温度 Medium temperature	-5~80°C
压力 Working-pressure	0-1.0MPa
电压 Voltage	DC12V/24V-220V
阀体材料 Material of body	黄铜 Brass
密封材料 Material of Oil seal	氟橡胶 VITON
允许压差 Voltage range	±10 %
最短励磁时间 Min. Activation time	0.05S

UW025 Series Solenoid Valve

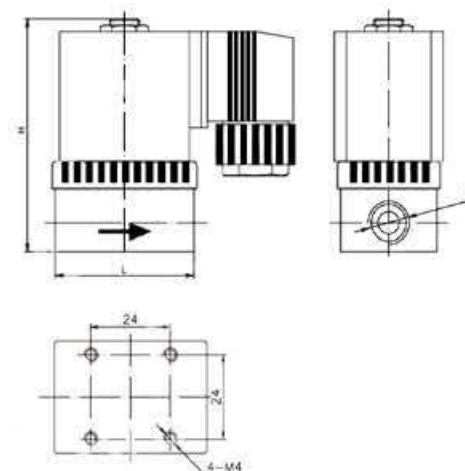


产品型号 Product number	UW025-06	UW025-08	UW040-10
工作介质 Working medium	空气、水、油、气 Air, Water, Oil, Gas		
运作模式 Motion pattern	直拉式 Direct acting type		
类型 Type	常闭型 Normally close type		
流量孔径(mm) Aperture of flow rate(mm)	1.2	1.2	2.0
CV值 CV Value	0.23	0.23	0.6
链接尺寸 Port size	G1/8"	G1/4"	G3/8"
操作流体的粘滞性 Operation fluid viscosity	20CST(Below)		
工作压力 Working-pressure	0-0.7MPa		
最大压力 Max. pressure resistance	1.0		
工作温度 Operating temperature range	-5~+80°C		
压差 Voltage range	±10 %		
阀体材料 Material of body	黄铜 Brass		
密封材料 Material of seal	丁晴橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON		





产品型号 Product Size	2V025
工作介质 Working medium	空气、水、油、气 Air, Water, Oil, Gas
运作模式 Motion pattern	直拉式 Direct drive type
类型 Type	常闭型 Normal close type
流量孔径(mm) Aperture of flow rate(mm)	4
CV值 CV Value	0.7
连接尺寸 Port size	G1/8", G1/4"
操作流体的粘滞性 Operation fluid viscosity	Under 20CST(Below)
工作压力 Working-pressure	0~8.0kgf/cm ²
最大压力 Max. pressure resistance	10kgf/cm ²
工作温度 Operating temperature range	-5~+60°C
压差 Voltage range	±10 %
阀体材料 Material of body	铝合金 Aluminum alloy
密封材料 Material of Oil seal	丁腈橡胶 NBR



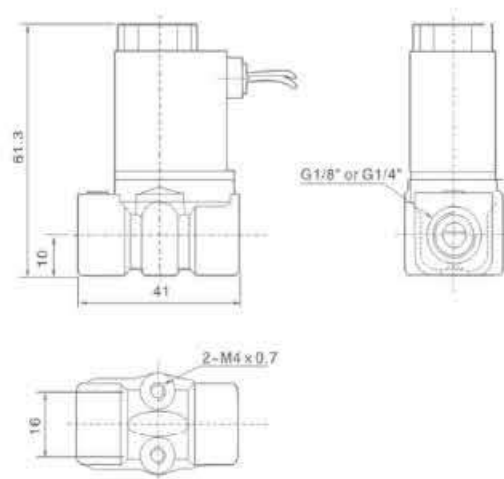
产品型号 Product Size	HK2231005
工作介质 Working medium	空气、水、油、热水 Air, Water, Oil, hot water
运作模式 Motion pattern	Straight acting piston type
类型 Type	常闭型 Normal close type
连接尺寸 Port size	G1/8", G1/4"
工作压力 Working-pressure	0~1.0MPa
工作温度 Operating temperature range	-10~+90°C
压差 Voltage range	±10 %
阀体材料 Material of body	黄铜 Brass
密封材料 Material of Oil seal	丁腈橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON

Size Drawing For HK2231005 Series Solenoid Valve

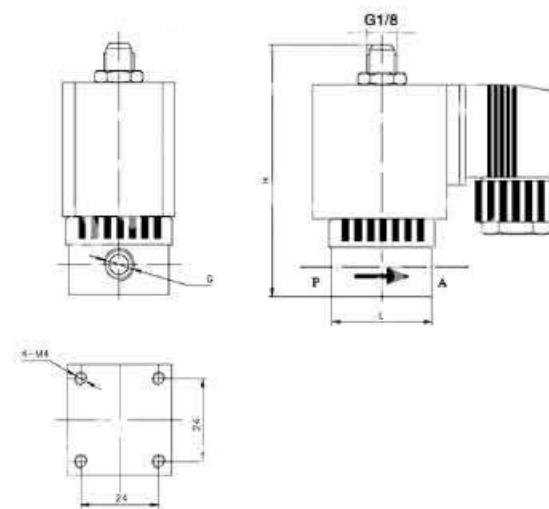
型号Size	Pore Size	G	L	H
HK2231005-06	6	1/8"	32	67
HK2231005-08	6	1/4"	46	70

2P025 Series Solenoid Valve

HK2231005T Series Solenoid Valve



产品型号 Product Size	2P025
工作介质 Working medium	空气、水、油、气 Air, Water, Oil, Gas
运作模式 Motion pattern	直拉式 Direct drive type
类型 Type	常闭型 Normal close type
流量孔径(mm) Aperture of flow rate(mm)	2.5
CV值 CV Value	0.25
连接尺寸 Port size	G1/8", G1/4"
操作流体的粘滞性 Operation fluid viscosity	20CST(Below)
工作压力 Working-pressure	0~0.7MPa
最大压力 Max. pressure resistance	1.0MPa
工作温度 Operating temperature range	-5~+80°C
压差 Voltage range	±10 %
阀体材料 Material of body	Engineering plastic steel
密封材料 Material of Oil seal	丁腈橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON



产品型号 Product Size	HK2231005T
工作介质 Working medium	空气、水、油、热水 Air, Water, Oil, hot water
运作模式 Motion pattern	Straight acting piston type
类型 Type	常闭型 Normal close type
连接尺寸 Port size	G1/8", G1/4"
工作压力 Working-pressure	0~1.0MPa
工作温度 Operating temperature range	-10~+90°C
压差 Voltage range	±10 %
阀体材料 Material of body	黄铜 Brass
密封材料 Material of Oil seal	丁腈橡胶/三元乙丙/氟橡胶 NBR, EPDM, VITON

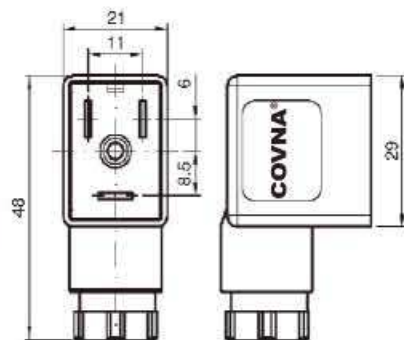
Size Drawing For HK2231005T Series Solenoid Valve

型号Size	Pore Size	G	L	H
HK2231005T-06	6	1/8"	32	67
HK2231005T-08	8.0	1/4"	46	67

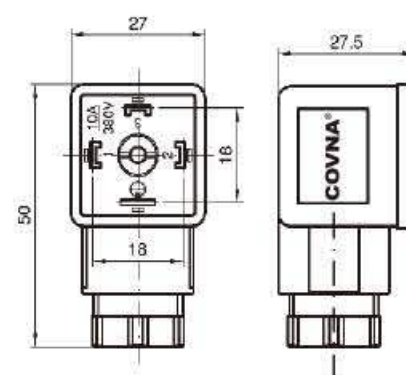
线圈选择 Coil Options

S	2	1	B	1
型 号	No.	接线型式	级 别	电 压
S- 塑封线圈 Y- 铁壳线圈 F- 防水线圈 L- 自保持线圈 Ex- 防爆线圈	1 2 3 4 5 6 7 8 9 A D0 C	1- 连线盒 2- 45cm引线 3- 1/2"导管 4- 1m长引线	B- B级 (-20~130℃) F- F级 (-20~155℃) H- H级 (-20~180℃)	1- AC220V 2- DC24V 3- AC110V 4- DC12V 5- AC24V 6- DC6V 7- AC380V

DIN 43650B



DIN 43650A

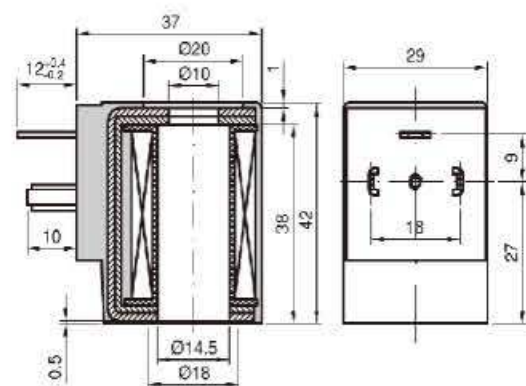


S11B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
22VA 13W

防护等级 Protection level
H



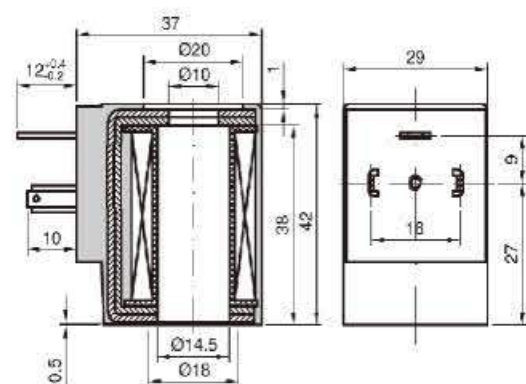
L11B

自保持线圈

电压 Voltage
DC4.5 - 24V

功率 power
14W

防护等级 Protection level
H

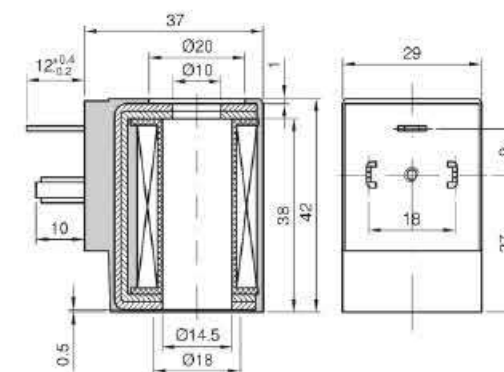


0543

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
22VA 13W

防护等级 Protection level
H

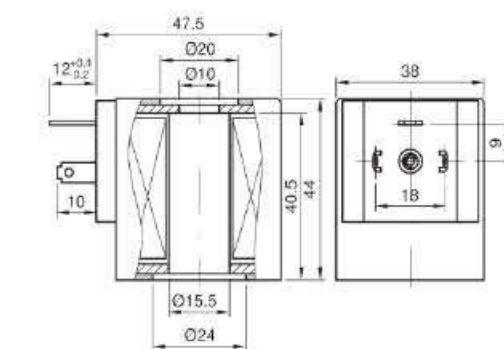


S21B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
24VA 18W

防护等级 Protection level
H

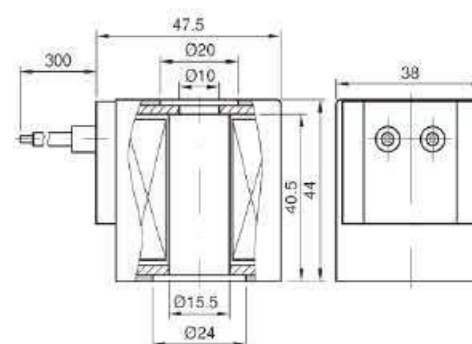


S22B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
30VA 18W

防护等级 Protection level
H

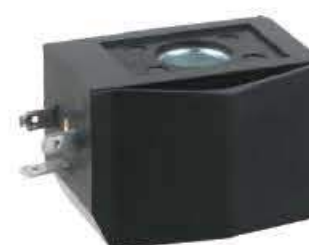
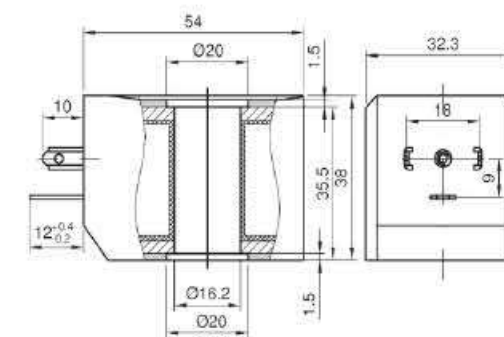


S41B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
18VA 11W

防护等级 Protection level
H

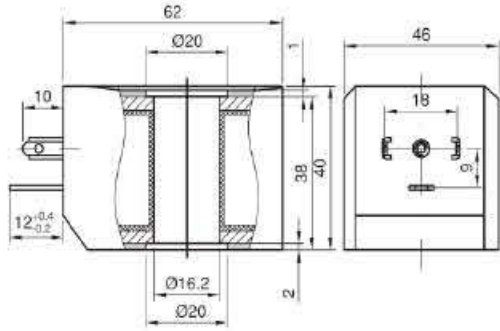


S51B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
30VA 24W

防护等级 Protection level
H

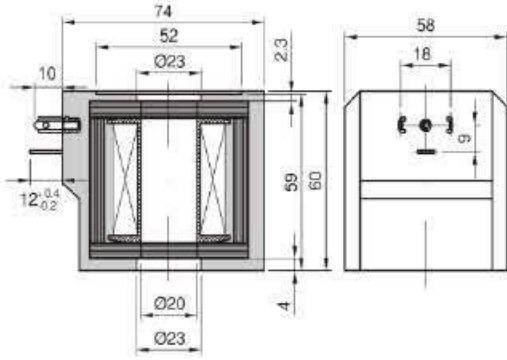


S61B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
28VA 36W

防护等级 Protection level
H

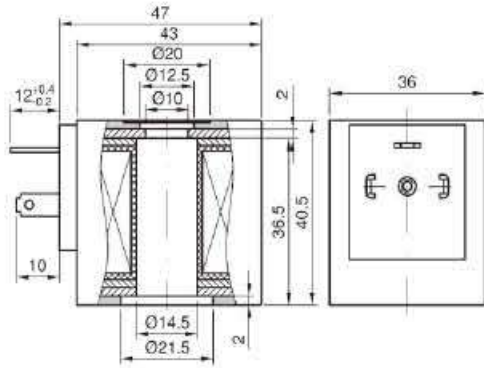


S91B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
22VA 17W

防护等级 Protection level
H

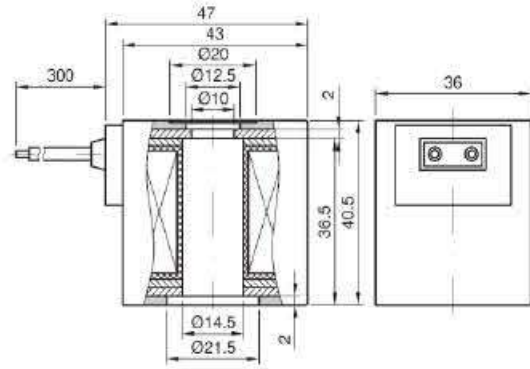


S92B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
22VA 17W

防护等级 Protection level
H



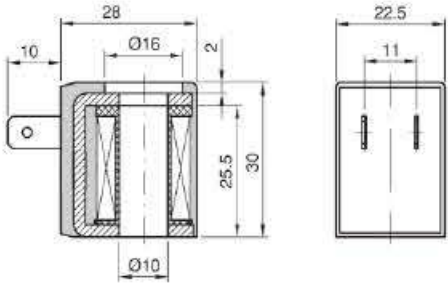
L21B

自保持线圈

电压 Voltage
DC4.5 - 24V

功率 power
10W

防护等级 Protection level
H

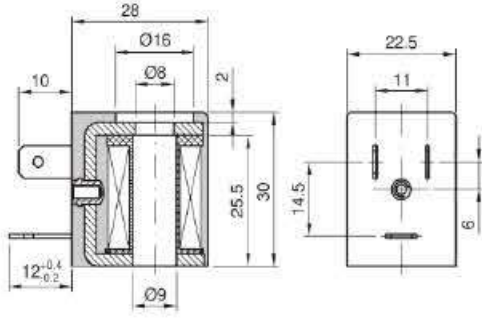


S81B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
5.5VA 4.8W

防护等级 Protection level
H

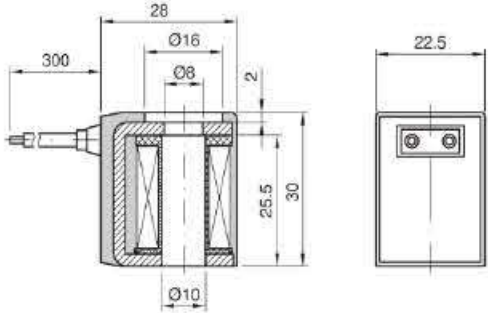


SA12B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
6.5W

防护等级 Protection level
H

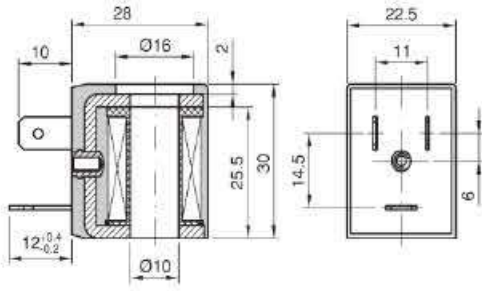


SA11B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
6.5W

防护等级 Protection level
H



SD01B

电压 Voltage

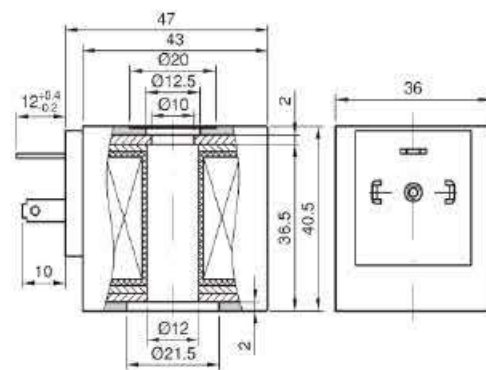
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power

16VA 13W

防护等级 Protection level

H



SA41B

电压 Voltage

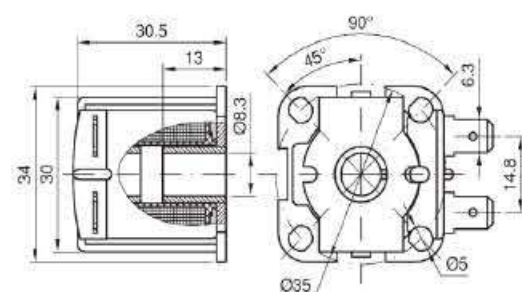
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power

5W

防护等级 Protection level

F



EX1620

电压 Voltage

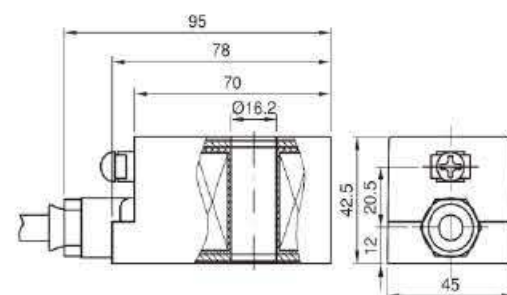
AC220V 50Hz
DC24V

功率 power

20VA 16W

防护等级 Protection level

H



AB12B

电压 Voltage

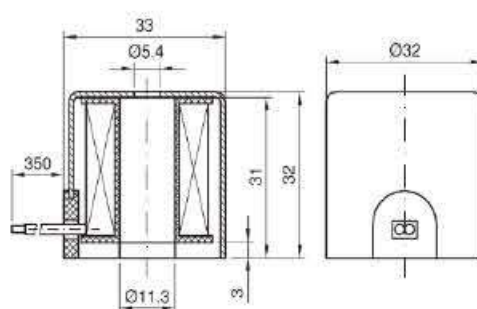
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power

5W

防护等级 Protection level

F



Y32B

电压 Voltage

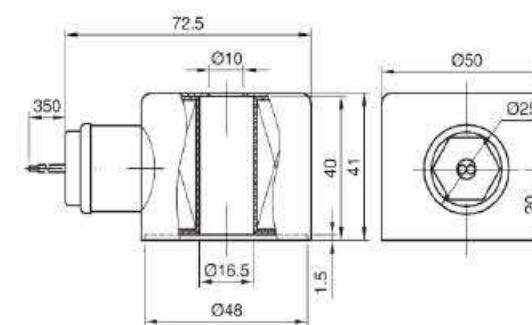
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power

40VA 18W

防护等级 Protection level

H



Y42B

电压 Voltage

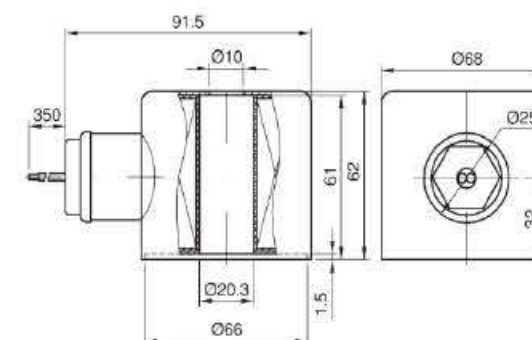
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power

50VA 20W

防护等级 Protection level

H



Y21B

电压 Voltage

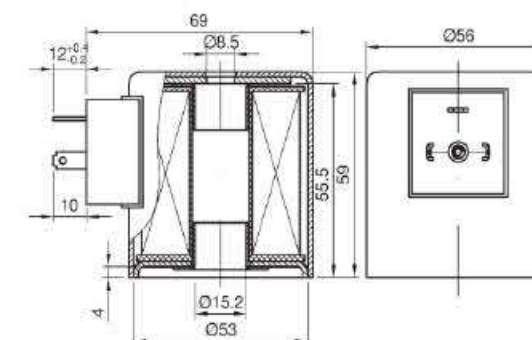
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power

18VA 16W

防护等级 Protection level

H



Y51B

电压 Voltage

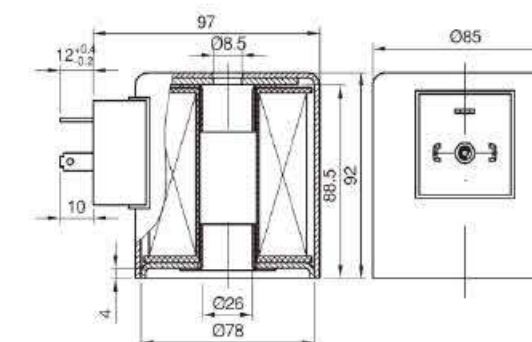
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power

70VA 50W

防护等级 Protection level

H

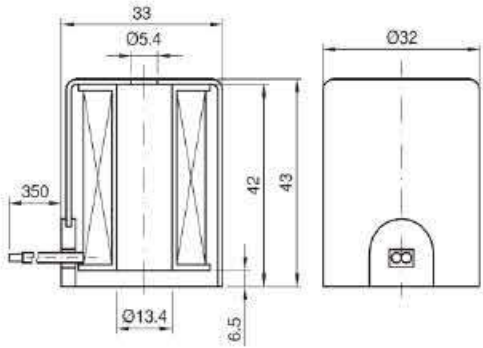


Y82B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
6VA 5W

防护等级 Protection level
H

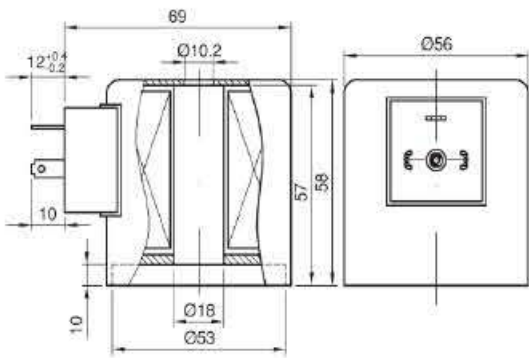


Y91B

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
20VA 28W

防护等级 Protection level
H

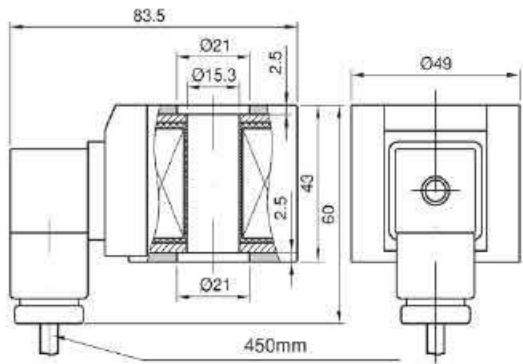


F14

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
26VA 13W

防护等级 Protection level
H

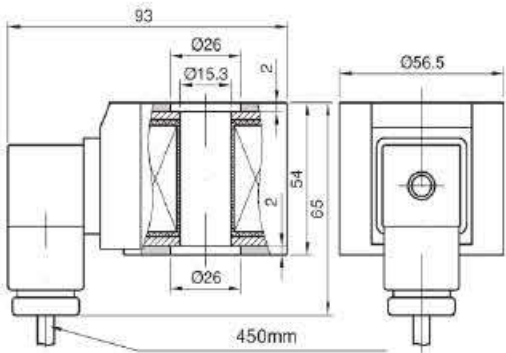


F24

电压 Voltage
AC24 - 240V 50Hz / 60Hz
DC12 - 48V

功率 power
28VA 15W

防护等级 Protection level
H



阀体 密封件材料介质选型表 Valve body, seal material and medium modeling table

介质 Medium	材料 Material	铜 Brass	铸铁 Cast Iron	不锈钢 Stainless Steel	塑料 Plastic	丁腈橡胶 NBR	三元乙丙胶 EPDM	氟橡胶 PTFE	铁氟龙 Teflon
空气 Air		✓	✓	✓	✓	✓	✓	✓	✓
天然气 Natural Gas		✓	✓	✓		✓	✓	✓	✓
氧气 Oxygen		✓	✓	✓	✓	✓	✓	✓	✓
氢气 Hydrogen		✓		✓		✓		✓	✓
城市煤气 City Gas		✓		✓				✓	✓
工业煤气 Industrial Gas		✓		✓		✓			✓
氮气 Nitrogen		✓		✓				✓	✓
精制石油 Refined Oil		✓	✓	✓				✓	✓
水 Water		✓	✓	✓	✓	✓	✓	✓	✓
水蒸汽 Steam		✓	✓	✓		×	✓	✓	✓
饮用水 Drinking Water		✓	✓	✓	✓		✓		✓
海水 Seawater		✓		✓	✓	✓	✓	✓	✓
工业废水 Industrial Waste				✓				✓	✓
汽油 Gasoline		✓	✓	✓			×	✓	✓
煤油 Kerosene		✓	✓	✓	✓	✓	×	✓	✓
柴油 Diesel		✓	✓	✓	✓	✓	×	✓	✓
牛奶 Milk		✓	✓	✓	✓	✓	✓	✓	✓
酒 Liqueur		✓	✓	✓	✓	✓	✓	✓	✓
酒精 Alcohol		✓	✓	✓		✓	×		✓
乙炔 Acetylene		✓	✓	✓		✓	×	✓	✓
乙醇 Ethanol		✓	✓	✓		✓	×	✓	✓
丙酮 Propanol		✓	✓	✓		✓	×	×	✓
氨 Ammonia						×			✓
甲苯 Toluene		✓	✓	✓			×	✓	✓
二甲苯 Xylene		✓	✓	✓			×	✓	✓
丙烷 Propane		✓	✓	✓			×	✓	✓
甲烷 Methane		✓	✓	✓		✓	×	✓	✓
二氧化硫 Sulfur Dioxide		✓	✓	✓				✓	✓
氢氧化钠 < 20% Sodium Hydroxide			✓	✓		✓	×		✓
硝酸 < 10% Nitric Acid				✓				✓	✓
硫酸 < 20% Sulfuric Acid								✓	✓
盐酸 10% Hydrochloric Acid									✓
醋酸 Acetic Acid		✓	✓	✓		✓	×	✓	✓

✓ 表示良好 × 表示不适用 空白表示资料不足

"✓" Said good, "×" Indicates not applicable, Blank indicates insufficient data

Flow calculation

1. Liquid (volume)

$$Q=14.28Cv \sqrt{\frac{P_1-P_2}{G}}$$

Note: The influence of viscosity is not considered, when it is less than 20CST, that is, 200mm/s

3. Description

P1: Inlet pressure Kgf/cm²
P2: Outlet pressure Kgf/cm²
P: P1-P2
G: Proportion (Water=1, Air=1)
P4: Flow Coefficient (1Kv=14.28Cv)

2. Gas (volume)

$$Q=198.3CvP_1 \sqrt{\frac{1}{G}} \left(P_2 \leq \frac{P_1}{1.89} \right)$$

$$Q=396.6Cv \sqrt{\Delta PP_2} \sqrt{\frac{1}{G}} \left(P_2 > \frac{P_1}{1.89} \right)$$

Note: Standard atmospheric state: 760mmHg, 15.6C
Q: cm/min

Common Unit Of Pressure

1Kgf/cm² = 1bar = 0.1MPa = 100Ka = 14.5PSI

AC- Communicate With

DC- Direct Current

Common Seals Material

Used in different places and conditions, some relevant data is for reference only:

1. NBR

Mainly used for diaphragms, O-rings and seals, suitable for most gases, water, gasoline, etc., and the medium temperature can be used at -10°C to 80°C

2. EPDM

Mainly used in places above the NBR temperature, (such as hot water, low pressure steam) is also suitable for most gases.

The medium temperature can be used at -10°C to 100°C

3. VITON

Mainly used in places where NBR and EPDM cannot be used, and can be used with more gases, water, oil, gasoline, solvents, etc. The medium temperature can be used at -20°C to 120°C

4. PTFE

It can be applied to almost all fluids. But because of its "cold flow" characteristics. As a dynamic seal, it is prone to leakage especially under gas.

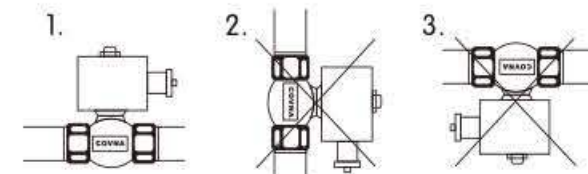
Coil current tile number statistics

Coil model	Product model	Voltage	electric current	power	Coil model	Product model	Voltage	electric current	power
S91B	2W31-15	DC12V	1.7A	20W	S51B	2W21-15	DC12V	2A	24W
S91B	2W31-15	DC24V	0.7A	17W	S51B	2W21-15	DC24V	0.96A	23W
S91B	2W31-15	AC110V	0.2	12.5W	S51B	2W21-15	AC110V	0.27A	16.8W
S91B	2W31-15	AC220V	0.1A	12W	S51B	2W21-15	AC220V	0.14A	17.5W
S91B	2W31-15	AC380V			S51B	2W21-15	AC380V		
Y32B	2W-15	DC12V	1.1A	13W	SD01B	2W21-40	DC12V	2.8A	33.5W
Y32B	2W-15	DC24V	0.75A	18W	SD01B	2W21-40	DC24V	1.5A	36W
Y32B	2W-15	AC110V			SD01B	2W21-40	AC110V	0.32A	17.3W
Y32B	2W-15	AC220V	0.18A	20W	SD01B	2W21-40	AC220V	0.13A	14W
Y32B	2W-15	AC380V			SD01B	2W21-40	AC380V		
Y42B	2W-40	DC12V			Y92B	US-15	DC12V		
Y42B	2W-40	DC24V	2.7A	64W	Y92B	US-15	DC24V	2.8A	67W
Y42B	2W-40	AC110V	0.23A	14W	Y92B	US-15	AC110V	0.5A	16.4W
Y42B	2W-40	AC220V	0.14A	16.8W	Y92B	US-15	AC220V	0.23A	16W
Y42B	2W-40	AC380V			Y92B	US-15	AC380V		

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.



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
Valve fails to operate	1. Check electrical supply with voltmeter. Voltage must agree with nameplate rating.
	2. Check coil with ohmmeter for shorted or opened coil.
	3. Make sure that pressure complies with nameplate rating.
The valve is sluggish or inoperative - electrical supply and pressure check out	1. Disassemble valve; clean out extraneous matter. The plunger must be free to move without binding.
	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.
Internal leakage	1. Disassemble valve, remove extraneous matter, and clean parts in a mild soap and water solution.
	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 when energized	1. Remove power from the coil.
	2. Inspect the plunger and sleeve for excessive wear or contamination.

流量计算方式

1、液体（容积）

$$Q=14.28Cv \sqrt{\frac{P_1-P_2}{G}}$$

注：不考虑黏度影响，小于20CST（厘斯）即20mm²/s时

2、气体（容积）

$$Q=198.3CvP_1 \sqrt{\frac{1}{G}} \left(P_2 \leq \frac{P_1}{1.89} \right)$$

$$Q=396.6Cv \sqrt{\Delta P P_2} \sqrt{\frac{1}{G}} \left(P_2 > \frac{P_1}{1.89} \right)$$

注：标准大气状态：760mmHg, 15.6C Q: 公分/分

说明

P₁: 入口压力Kg/cm²

P₂: 出口压力Kg/cm²

P: P₁-P₂

G: 比重（水=1, 空气=1）

Cv: 流量系数（1Kv=14.28Cv）

常用压力单位换算

1Kg/cm²=1bar=0.1MPa=100Ka=14.5PSI AC=交流 DC=直流

常用密封件材料综述

（在不同场所的动态情形下使用，因此有关数据仅供参考）

1、丁腈橡胶（NBR）

主要用于膜片，O形圈和密封件，适用于大多数的氣體、水液、輕油等，介質溫度在-18C到80C可以使用。

2、乙稀、丙稀橡胶（EPDM）

主要用于NBR溫度以上的場所，（如熱水、低壓蒸汽）同樣適用於大多数的氣體、水液。介質溫度在-20C到139C可以使用。

3、氟橡胶（VITON）

主要用于NBR、EPDM不能應用的場所，可以與更多的氣體、水液、機油、汽油、溶劑等。介質溫度在-20C到169C可以使用。

4、聚四氟乙稀（PTFE）

幾乎可以適用於所有的流體。但因具有“冷流動”特點。作為動態的密封件，特別是在氣體下容易產生洩漏現象。

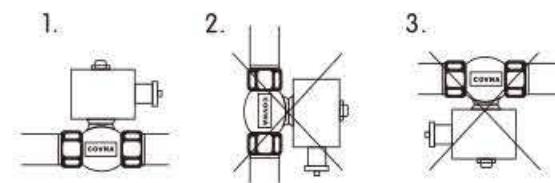
线圈电流瓦数统计

线圈型号	产品型号	电压	电流	功率	线圈型号	产品型号	电压	电流	功率
S91B	2W31-15	DC12V	1.7A	20W	S51B	2W21-15	DC12V	2A	24W
S91B	2W31-15	DC24V	0.7A	17W	S51B	2W21-15	DC24V	0.96A	23W
S91B	2W31-15	AC110V	0.2	12.5W	S51B	2W21-15	AC110V	0.27A	16.8W
S91B	2W31-15	AC220V	0.1A	12W	S51B	2W21-15	AC220V	0.14A	17.5W
S91B	2W31-15	AC380V			S51B	2W21-15	AC380V		
Y32B	2W-15	DC12V	1.1A	13W	SD01B	2W21-40	DC12V	2.8A	33.5W
Y32B	2W-15	DC24V	0.75A	18W	SD01B	2W21-40	DC24V	1.5A	36W
Y32B	2W-15	AC110V			SD01B	2W21-40	AC110V	0.32A	17.3W
Y32B	2W-15	AC220V	0.18A	20W	SD01B	2W21-40	AC220V	0.13A	14W
Y32B	2W-15	AC380V			SD01B	2W21-40	AC380V		
Y42B	2W-40	DC12V			Y92B	US-15	DC12V		
Y42B	2W-40	DC24V	2.7A	64W	Y92B	US-15	DC24V	2.8A	67W
Y42B	2W-40	AC110V	0.23A	14W	Y92B	US-15	AC110V	0.5A	16.4W
Y42B	2W-40	AC220V	0.14A	16.8W	Y92B	US-15	AC220V	0.23A	16W
Y42B	2W-40	AC380V			Y92B	US-15	AC380V		

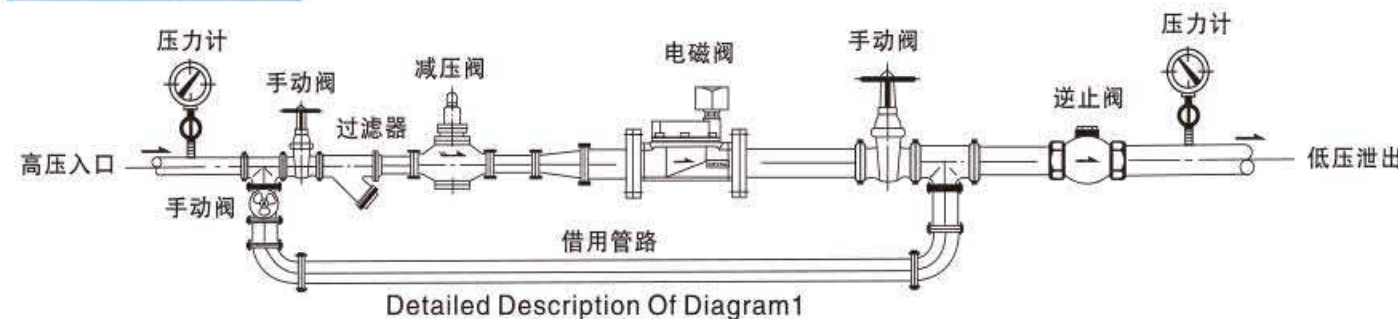
电磁阀使用安装注意事项:

- 1、安装前，管路内杂质必须清理干净。
- 2、为了延长使用寿命，应于电磁阀前端安装Y型过滤器。
- 3、販售及安装时，需确认使用之流体。
- 4、販售及安装时，需确认现场使用之电压。
- 5、販售及安装早，需确认使用之压力。
- 6、販售及安装早，需确认使用之流体温度。
- 7、请参考正确安装使用图

⚠ 本产品不适用于倒立配管或垂直配管，需水平配管，避免动作不流畅，机件发生问题。



电磁阀配管说明



电磁阀故障及排除方法

电磁阀通电后不工作	检查电源接线是否不良	重新接线和接插件的连接
	检查电源电压是否工作 ± 工作范围	调至正常位置范围
	线圈是否脱焊	重新焊接
	线圈短路	更换线圈
	工作压差是否不合适	调整压差或更换相称的电磁阀
	液体温度高	更换相称的电磁阀
	有杂质使电磁阀主阀芯和动铁芯卡死	进行清洗，如有密件损坏应更换密封件并安装过滤器
	液体粘度太大，频率太高和寿命已到	更换产品
电磁阀不能开关	线圈长时间通电	更换线圈
	主阀芯或铁动芯的密封件已损坏	更换密封件
	液体温度、粘度是否过高	更换封口的电磁阀
	有杂质进入电磁阀副阀芯或动铁芯	进行清洗
	弹簧寿命已到或变形	更换
	节流孔平衡孔堵塞	及时清洗
	工作频率太高或寿命已到	改选产品或更换产品
	其它情况	
	内泄露	检查密封件是否损坏，弹簧是否装配不良
	外泄露	检查连接处，拧紧或更换
	通电时有噪声	头子上紧固件松动
		电压波动不在允许范围内
		铁芯吸合面有杂质或不平
		及时清洗或更换