



YUYAO NO.4 INSTRUMENT FACTORY

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※If the product parameters changed, we don't inform respectively.

Round-Star®

YUYAO NO.4 INSTRUMENT FACTORY

PROFESSIONAL MANUFACTURER OF SOLENOID VALVES



If want UL and NSF certified solenoid valves, please refer to UL and NSF sample or visit the website for details

2024

Professional manufacturer of solenoid valve

YUYAO NO.4 INSTRUMENT FACTORY

Company Profile

Founded in 1965, Yuyao No.4 Instrument Factory has own R&D team, with cutting-edge technology, participated in drafting the national safety standards for solenoid valve. We research, design and manufacture variety of solenoid valves, with the sustained innovation and self-improving, we have mastered the key technology, and got many innovation patents such as Chinese patents 202010850414.9, 202011378521.2, ZL 201720504647.7, German patents Nr. 202016100 570, EU patents No.003022334-0001, No.003022334-0002, No.003866250-001 etc.. The company is equipped with superior production machines, complete testing systems, guaranteeing the products have outstanding quality.

The company is certified by the ISO9001-2015 quality management system, has explosion-proof certificate GYB22.2968X and GYB21.3801X, many products pass CE and ROHS(EU), ACS(France), UL and NSF, FDA(USA) certificates. Our products have been exported to many countries and areas, such as Europe, America, Asia and Africa etc.. We are large scale and professional manufacturer for variety of solenoid valves.

Market leader of solenoid valve

The company owns highly qualified staff and professional R&D group, we persist in "customer-first, integrity, human-oriented, excellence", with strict and innovative attitude, offering satisfied products and service for the customers and markets. Outstanding quality is from professional, let's cooperate and create future together!

Enterprise Principal

**"Customer-First, Integrity,
Human-Oriented, Excellence"**



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Products catalog

Water air liquid solenoid valve

RSP pilot operated solenoid valve

Valvebody material: brass, SS316 Interface size: 1/4" ~ 2"
Working type: pilot operated (NC, NO)
Working pressure: 0.1 ~ 16bar
Orifice size: Φ 10 ~ 50mm Flange: DN15~50mm



P01~07

2W direct acting solenoid valve

Valvebody material: brass, SS304
Interface size: 1/8" ~ 2" Flange DN18 ~ 50mm
Working type: direct acting, semi-direct acting (NC NO)
Working pressure: 0 ~ 12bar Orifice size: Φ 2.5 ~ 50mm



P08~18

DFD pilot operated solenoid valve

Valvebody material: brass, SS304, cast iron, ductule iron
Interface size: 1/2" ~ 3" Flange: DN25 ~ 200mm
Working type: pilot operated (NC, NO)
Working pressure: 0.3 ~ 12bar Orifice size: Φ 13 ~ 200mm



P19~27

2W-XH Signal feedback solenoid valve

Body material: brass, SS304, cast iron
Interface size: 1/2" ~ 2"
Orifice size: DN15~50mm
Action type: semi-direct acting, pilot
Working pressure: 0 ~ 7bar



P28

ZW direct acting solenoid valve

Valvebody material: brass, SS304
Working pressure: 0 ~ 10bar
Working type: semi-direct acting (NC, NO)
Interface size: 3/8" ~ 2" Orifice size: Φ 15 ~ 50mm



P29

Water air liquid plastic solenoid valve

2W-SL semi-direct acting plastic solenoid valve

Valvebody material: PA66
Working type: semi-direct acting (NC, NO)
Working pressure: 0 ~ 7bar
Interface size: 1/2" ~ 2" Flange and loose joint: DN15 ~ 50mm



P30~31

Products catalog

Water air liquid plastic solenoid valve

YSA pilot operated plastic solenoid valve

Valvebody material: PA66
Working type: pilot operated (NC, NO)
Working pressure: 0.3 ~ 8bar
Interface size: 1/2" ~ 3" Flange and loose joint: DN15 ~ 80mm



P32~33

Steam solenoid valve

Products catalog

High pressure solenoid valve

YSE-A series ultra-high pressure solenoid valves

Valve body material: stainless steel
Interface type: Threaded 1/8" ~ 1"
Working type: direct-acting type, pilot type
Working pressure: 0 ~ 700bar, flow diameter: DN0.8~25mm



P47

YSI piston high pressure solenoid valve

Valvebody material: SS304
Interface size: 1/2" ~ 2" Flange DN15 ~ 50mm
Working type: pilot operated (NC,NO)
Working pressure: 6 ~ 100bar Orifice size: Φ15 ~ 50mm



P48-49

YSP piston high pressure solenoid valve

Valvebody material: SS304
Interface size: 1/2" ~ 2" Flange DN15 ~ 50mm
Working type: pilot operated (NC, NO)
Working pressure: 0.5 ~ 50bar Orifice size: Φ15 ~ 50mm



P50-51

Medium pressure solenoid valve

RSQ low power solenoid valve

Valvebody material: brass, SS304
Working type: pilot operated (NC)
Working pressure: 0.3 ~ 16bar
Interface size: 3/8" ~ 2" Orifice size: Φ13.5 ~ 50mm



P52

RSV low power solenoid valve

Valvebody material: brass
Working type: direct acting, pilot operated (NC)
Working pressure: 0 ~ 8bar
Interface size: 1/8" ~ 1" Orifice size: Φ2.5 ~ 25mm



P53

Explosion-proof solenoid valve

Encapsulated explosion-proof solenoid valve

Body material: brass, SS304, cast iron
Connection size: thread: 1/8" ~ 3" Flange: DN15 ~ 200mm
Action type: direct acting, semi-direct acting, pilot
Working pressure: 0 ~ 150bar Orifice size: Φ1 ~ 200mm



P54-55

Products catalog

Explosion-proof solenoid valve

ZCSB explosion-proof solenoid valve

Valvebody material: brass, SS304, cast iron
Interface size: 3/8" ~ 2" Flange: DN15 ~ 200mm
Working type: direct acting, pilot operated (NC,NO)
Working pressure: 0 ~ 16bar Orifice size: Φ15 ~ 200mm



Products catalog

CDW Ultra-low temperature solenoid valve

Valve body material: SS304
Interface type: Threaded 1/4" ~ 3/4"
Working type: direct-acting type
Working pressure: 0 ~ 8bar, flow diameter: DN6~20mm



P65

Anti-corrosive solenoid valve

ZCF anti-corrosive solenoid valve

Valvebody material: PTFE
Working type: direct acting (NC, NO)
Working pressure: 0 ~ 4bar
Interface size: 1/4" ~ 1"
Orifice size: Φ2 ~ 11mm



P66

ZCF-5JC 3-way Anticorrosive solenoid valve

Valve body material: PTFE
Interface type: Threaded 1/4" ~ 1"
Working type: direct-acting type
Working pressure: 0~2bar flow diameter:5mm



P67

ZCF-P anti-corrosive solenoid valve

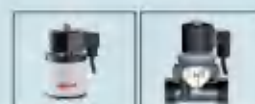
Valvebody material: UPVC,CPVC
Working type: pilot operated (NC, NO)
Working pressure: 0.3 ~ 8bar
Interface size: 1/2" ~ 2"
Orifice size: 10 ~ 50mm



P68~69

ZCF-X PTFE and ZCF-PX PTFE-embedded anticorrosive solenoid valves

Valve body material: PTFE(DN15~25mm)
CPVC(DN32~50mm The valve cavity is lined with PTFE)
Interface type: Threaded 1/4" ~ 2" , Flange and union
Working pressure: 0.3~6bar flow diameter:DN15 ~ 50mm



P70

ZCF-J Series Stainless Steel Anticorrosive Solenoid Valve

Valve body material: Stainless steel SS316
Interface type: Threaded 1/2" ~ 1" , Flange DN15 ~ 25mm
Working type: pilot diaphragm type (NC,NO)
Working pressure: 0.3~10bar, flow diameter: DN15~25mm



P71

Products catalog

Pouring-sealed explosion-proof and corrosion-proof electromagnetic valve

ZCF-Ex,ZCF-P Ex,ZCF-X- Ex ,ZCF-PX Ex

Valve body material: PTFE,CPVC/UPVC
Interface type: Threaded 1/4" ~ 2" , Flange, loose joint
Working type: direct-acting type (DN2~8mm) , pilot type (DN15~50mm)
Working pressure: 0.3 ~ 6bar, flow diameter: DN2~50mm



P72~74

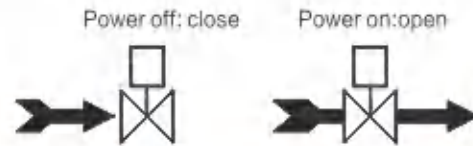
Bistable latching solenoid valve

YSG series bistable latching sol

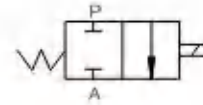
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RSP series 2-way pilot operated (NC) solenoid valve

NC solenoid valve ON/OFF status



Symbol

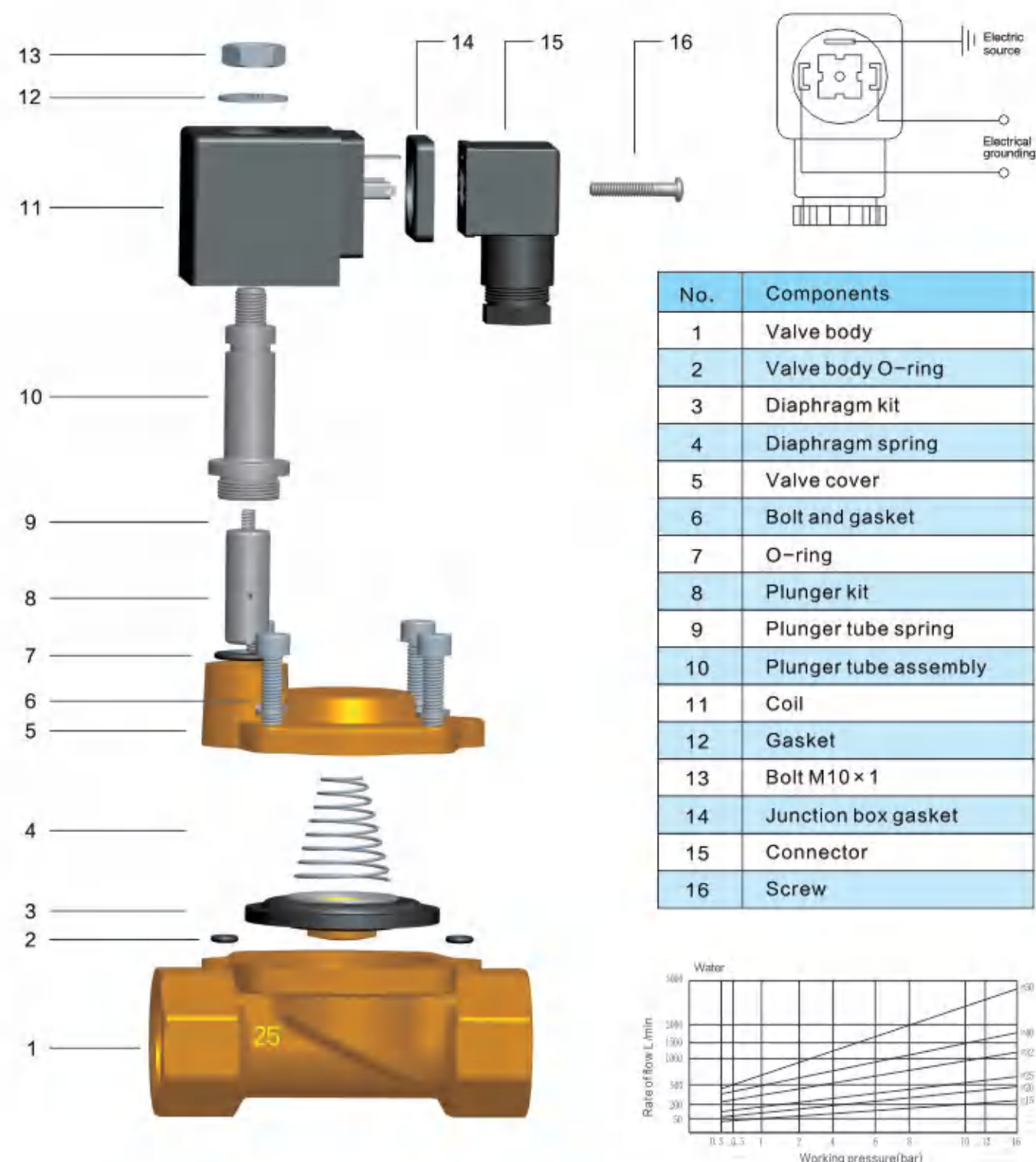


RSP series 2-way pilot operated (NC) solenoid valve specification table

Interface size	Orifice size (mm)	Cv	Working pressure (bar)		Max medium temp (°C)	Sealing material	Coil insulation degree	Coil power				Normal order code				
			Min pressure	Max pressure				Normal coil		ES coil		Plastic coil				
								VA	W	VA	W	AC220V				
												G thread				
												Sealing material:				
			AC	DC				AC 220 V	DC 24 V	AC 220 V	DC 24 V	Blank: NBR E: EPDM V: VITON				
3/8"	13	4.5	0.3	16	16	80	NBR	H	22	13	3	3	RSP-10-AC220V	RSP-10J-AC220V		
	13	4.5	0.3	16	16	130	EPDM	H	22	13			RSP-10-E-AC220V	RSP-10J-E-AC220V		
	13	4.5	0.3	16	16	120	VITON	H	22	13			RSP-10-V-AC220V	RSP-10J-V-AC220V		
1/2"	13	4.5	0.3	16	16	80	NBR	H	22	13	3	3	RSP-15-AC220V	RSP-15J-AC220V		
	13	4.5	0.3	16	16	130	EPDM	H	22	13			RSP-15-E-AC220V	RSP-15J-E-AC220V		
	13	4.5	0.3	16	16	120	VITON	H	22	13			RSP-15-V-AC220V	RSP-15J-V-AC220V		

DFD series 2-way pilot operated (NC) solenoid valve

Components table



DFD series 2-way pilot operated (NO) solenoid valve 3/8 " ~ 3 "

Working medium: water, liquid, air, light oil(viscosity ≤ 20cst)
Ambient temperature: -20℃ ~ +65℃
Medium temperature: -10~80℃(NBR sealing)
Working pressure: 0.3~8bar(details see specification table)
Working type: pilot operated(NO)
Valvebody material: Brass(HPb59-1A), SS304
Sealing material: NBR(-10~80℃)
Interface: G thread NPT thread
Working voltage: AC220V 18VA, AC110V22VA, DC24V/DC12V 20W IP65 H degree

Options:

ES.COIL:AC220VStart 130VA,hold6VA,DC24V Start44W, hold6W IP65
 Ex.COIL:AC220VStart 90VA,hold7VA,DC24V Start55W, hold5W IP65
 FS waterproof coil IP68

This series has passed UL certification, See UL sample album for details.



DFD-20K

DFD-25JKES

Order code

DFD	Thread	J	K	ES	T	V	Voltage
Model	10:3/8" 15:1/2" 20:3/4" 25:1" 32:1 1/4" 40:1 1/2" 50:2" 80:3"	Blank:Brass J					

