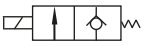


Specifications

Model	2P025-06	2P025-08
Fluid	Air, Water, Oil	
Acting	Direct acting	
Type	Normally closed	
Orifice size (Φmm)	2.5	
Cv valve	0.23	
Port size	1/8"	1/4"
Viscosity limit	Under 20CST	
Pressure range	0~0.7MPa(0~100psi)	
Proof pressure	1.05MPa(150psi)	
Material body	Nylon 66	
Seal material	VITON	
Min. activating time sec	0.05 sec and below	

Symbol



Specifications of coil

Valve type	Power type	Frequency (Hz)	Voltage range	Electrical entry	Power consumption (VA/W)	Insulation	Temp. rise (℃)
2P025	AC	50	±15%	Terminal Grommet	7.0VA	Class B	35
		60					
	DC	-	±10%		7.0W		45

Product feature

1. Direct acting and normally closed type 2/2 way solenoid valve. Its high sensitivity allows it to change direction quickly.
2. Its compact size is small and light weight. It is easy to install and dismantle.
3. The valve body is made of Nylon 66. Its coil has a Heat resistance classification of Class B. The seals are made of viton which is for different types of fluid.
4. The protection class of the coil is IP65, and the electrical entry is grommet.

Ordering code

2P	025	08	A	I	G
Model	Orifice size	Port size	Voltage	Electrical entry	Thread type

Model	
2P	2 port 2 position solenoid valve (plastic steel type)

Orifice size	
025	Φ2.5mm

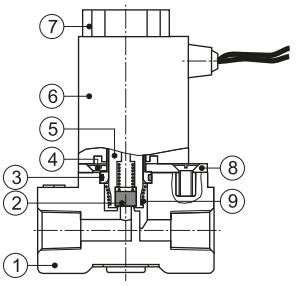
Port size	
06	1/8"
08	1/4"

Voltage	
A	AC220V
B	DC24V
C	AC110V
E	AC24V
F	DC12V

Electrical entry	
I	Grommet

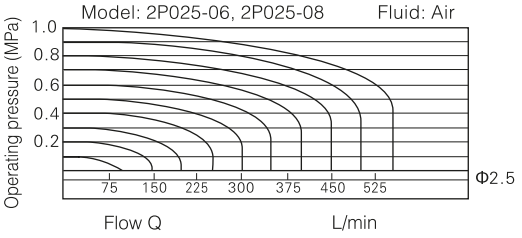
Thread type	
G	G

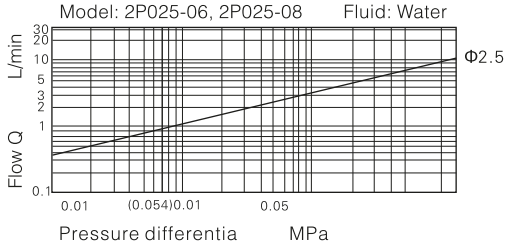
Inner structure



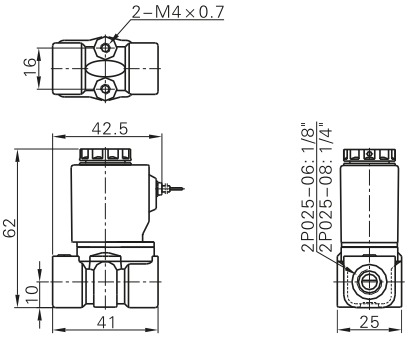
No.	Item	No.	Item
1	Body	6	Coil
2	Bottom cover gasket	7	Coil nut
3	O-ring	8	Fixed plate
4	Pilot screw	9	spring
5	Armature		

Flow chart





Dimensions





Symbol



Product feature

2V025 series

1. Direct acting and normally closed type 2/2 way solenoid valve. Its high sensitivity allows it to change direction quickly.
2. The structure is small and compact.
3. The valve body is made of brass which is heat resistance and the coil conforms to Class B classification. The seals are made of fluorine rubber (VITON) which is suitable for several types of working medium.

2V130 and 250 series

1. This 2/2 way diaphragm piloted solenoid valve has low energy consumption and large air flow.
2. The starting pressure is low and the operational differential pressure is < 0.05MPa.
3. The valve body is made of brass which is heat resistance and the coil conforms to Class B classification. The seals are made of NBR.

Specifications

Model	2V025-06	2V025-08	2V130-10	2V130-15	2V250-20	2V250-25
Fluid	Air, Water, Oil					
Acting	Direct acting		Internally piloted acting			
Type	Normally closed					
Orifice size(Φmm)	2.5	2.5	13.0	13.0	25.0	25.0
Cv valve	0.23	0.25	6.20	6.20	13.00	13.00
Port size ①	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Viscosity limit	Under 20CST					
Pressure range	0~1.0MPa(0~145psi)		0.05~1.0MPa(7~145psi)			
Proof pressure	1.5MPa(215psi)					
Material body	Brass with zinc plated		Brass			
Seal material	VITON		NBR			
Min. activating time sec	0.05 sec and below					

① PT thread, G thread and NPT thread are available.

Specification of coil

Valve type	Power type	Frequency (Hz)	Voltage range	Electrical entry	Power consumption (VA/W)	Insulation	Temp. rise(℃)
2V025	AC	50	±15%	Terminal Grommet	7.0VA	Class B	35
2V130		60					
2V250	DC	-	±10%		7.0W		45

Usable fluid

Seal material\Fluid	Water	Dry air	Acetone*	ISOVG32 oil	Glycol*	Nitrogen	Heavy oil
NBR	○	◎	△	◎	○	◎	○

Seal material\Fluid	JIS# 1 Oil	JIS# 3 Oil	Vegetable Oil	Inorganic Oil	Start Oil	Silicage Oil	CO_2	Argon
NBR	◎	○	◎	◎	○	◎	◎	◎

Note: 1. ◎= Excellent(nearly without affect). ○= Good(workable though some affect). △= Poor(large affect).
2. "*" means inflammable and explosive dangerous fluid. Please use the relative explosion proof coil.
3. Please consult the technical department before using fluid that has not been shown in the above table.

Ordering code

2V — Model

2V	2 port 2 position solenoid valve

025 — Orifice size

025	Φ2.5mm
130	Φ13mm
250	Φ25mm

08 — Port size

Orifice size	Port size
Φ2.5mm	06: 1/8"
	08: 1/4"
Φ13mm	10: 3/8"
	15: 1/2"
Φ25mm	20: 3/4"
	25: 1"

A — Voltage

A	AC220V
B	DC24V
C	AC110V
E	AC24V
F	DC12V

□ — Electrical entry

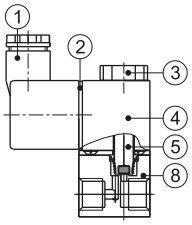
Blank	Terminal
I	Grommet

□ — Thread type

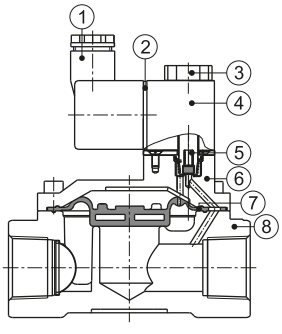
Blank	PT
G	G
T	NPT

Inner structure

2V025 Terminal

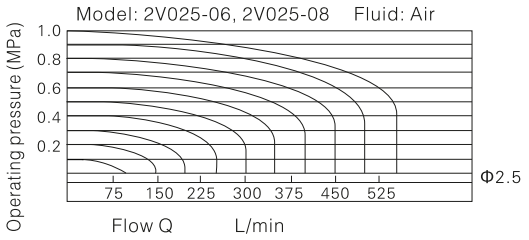


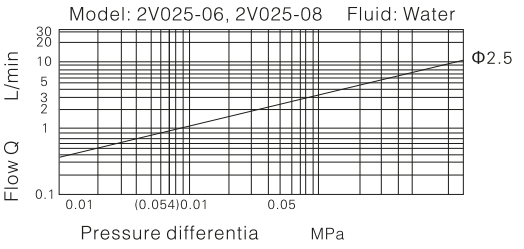
2V250 Terminal

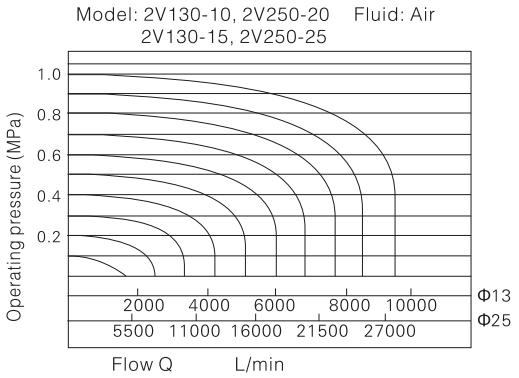


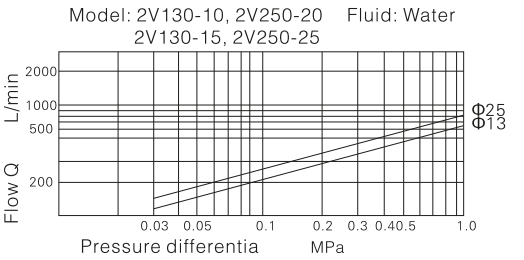
No.	Item	No.	Item
1	Connector	5	Armature assembly
2	Connector gasket	6	Body cover
3	Nut	7	Diaphragm
4	Coil	8	Body

Flow chart



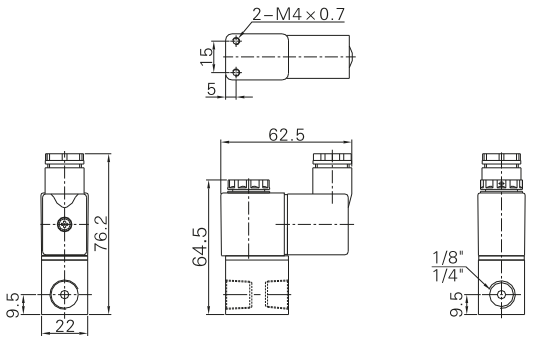




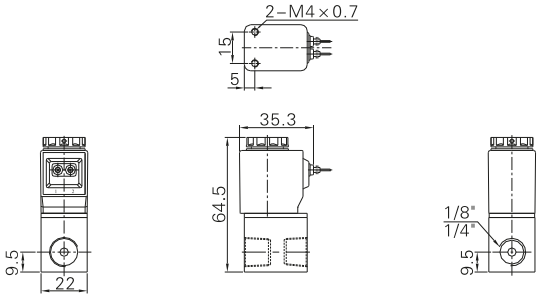


Dimensions

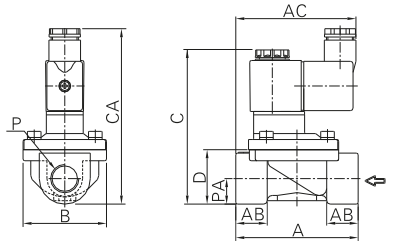
2V025 Terminal



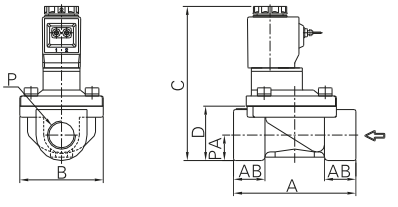
2V025 Grommet



2V130/250 Terminal



2V130/250 Grommet



Model\Item	A	AB	AC	B	C	CA	D	P	PA
2V130-10	72	18.5	71	49	91	103	32	3/8"	15
2V130-15	72	18.5	71	49	91	103	32	1/2"	15
2V250-20	102	23	74	77.5	107.5	120	45	3/4"	21
2V250-25	102	23	74	77.5	107.5	120	45	1"	21

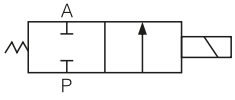
2W Series
2/2 Way Direct Acting Solenoid Valve



Specifications

Model	2W025-06	2W025-08	2W040-10	2WH012-06	2WH012-08	2WH020-10
Work medium	Air, Water, Oil, Gas					
Operation	Direct Acting					
Acting type	Normally Closed					
Orifice size(mm)	2.5		4	1.2		2
Cv value	0.23		0.60	0.05		0.15
Port size	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"
Operation fluid viscosity	20 CST Below					
Operating perssure	Air, Water, Oil, Gas: 0~0.7MPa			Air, Water, Oil: 0~2.0MPa		
Max. pressure resistance	1.0MPa			3.5MPa		
Operating temperature	NBR for -5~80℃ and VITON for -5~150℃					
Voltage range	±10%					
Material of boby	Stainless steel or brass					
Material of oil seal	NBR, EPDM or VITON					

Symbol



Ordering code

2W	025	08	B	S	E	AC110V
Model	Orifice size	Port size	Material of boby	Coil form	Sealing material	Standard voltage

Model	
2W	2/2 Way direct acting
2WH	2/2 Way solenoid valve for high pressures

Orifice size	
012	1.2mm
020	2mm
025	2.5mm
040	4mm

Port size	
06	1/8"
08	1/4"
10	3/8"

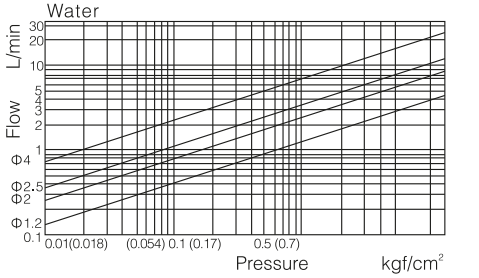
Material of boby	
Blank	Brass
B	Stainless steel

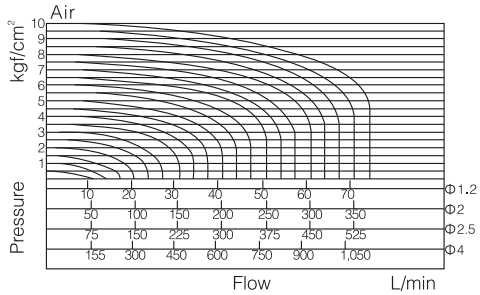
Coil form	
Blank	Round coil
S	Square coil IP65

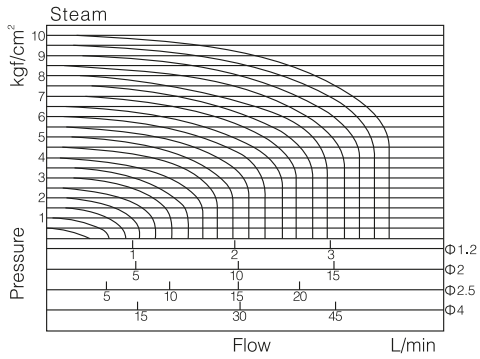
Sealing material	
Blank	NBR
E	EPDM
V	VITON
S	SI

Standard voltage	
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

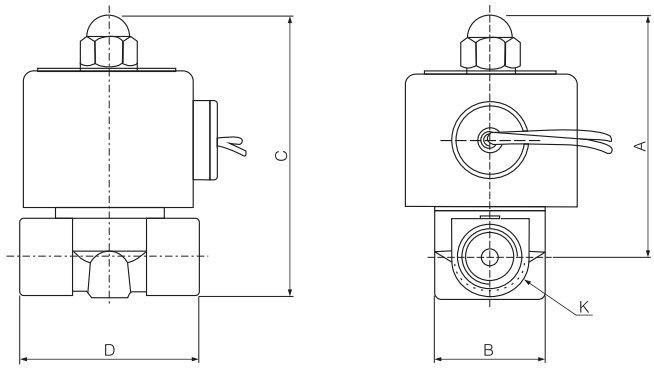
Flow chart







Dimensions



Dimension sheet

Model	A	B	C	D	K
2W025-06	62.5	30	71.5	40.5	1/8"
2W025-08	62.5	30	71.5	40.5	1/4"
2W040-10	70	32	80	55	3/8"
2WH012-06	62.5	30.3	71.5	40.5	1/8"
2WH012-08	62.5	30.3	71.5	40.5	1/4"
2WH020-10	70	32.2	80	52.5	3/8"

2W Series
2/2 Way Direct Acting Solenoid Valve (Large Orifice)



Specifications

Model	2W160-10	2W160-15	2W200-20	2W250-25	2W350-35	2W400-40	2W500-50
Work medium	Air, Water, Oil, Gas						
Operation	Direct Acting						
Acting type	Normally Closed						
Orifice size(mm)	16		20	25	35	40	50
Cv value	4.8		4.8	12	24	29	48
Port size	3/8"	1/2"	3/4"	1"	1¼"	1½"	2"
Operation fluid viscosity	20 CST Below						
Operating perssure	Air: 0~1.0MPa; Water: 0~0.7MPa; Oil: 0~0.9MPa						
Max. pressure resistance	1.0MPa(Normal open type max. pressure 0.8MPa)						
Operating temperature	NBR for -5~80℃ and VITON for -5~150℃						
Voltage range	±10%						
Material of boby	Brass						
Material of oil seal	NBR or VITON						

Product feature

Protection degree is IP67,
these valves can be supplied with manual operation.

Ordering code

2W — Model

2W	2/2 Way solenoid valve

160 — Orifice size

160	16mm
160	16mm
200	20mm
250	25mm
350	35mm
400	40mm
500	50mm

15 — Port size

10	3/8"
15	1/2"
20	3/4"
25	1"
35	1 ¼"
40	1½"
50	2"

A — Coil form

A	Waterproof coil
Blank	Round coil
S	Square coil IP65
H	Mamual
NO	Normally open
NC	Normally close
Z	EX-proof

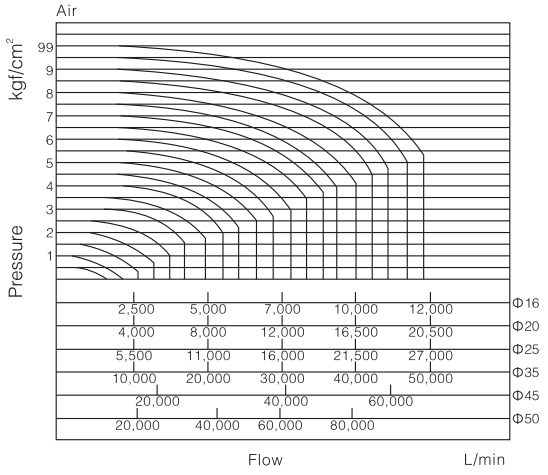
E — Sealing material

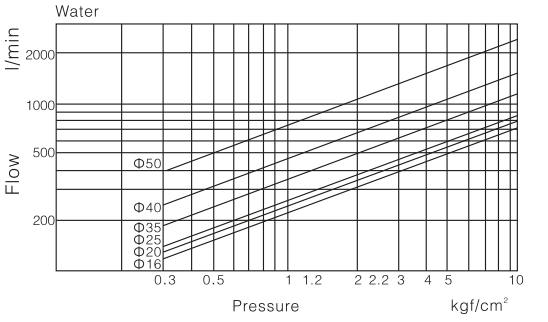
Blank	NBR
E	EPDM
V	VITON
S	SI

AC110V — Standard voltage

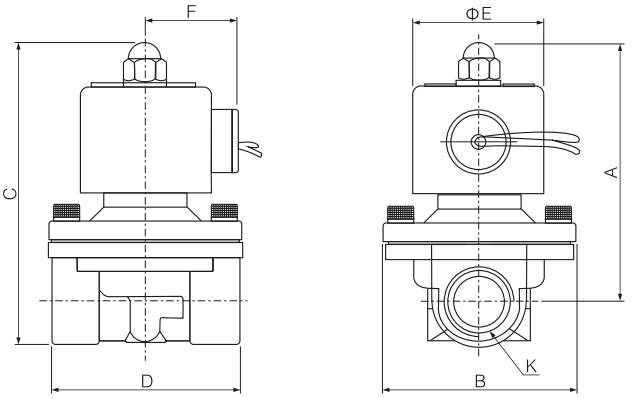
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Flow chart





Dimensions



Model	A	B	C	D	K
2W160-10	90	56	103	66	3/8"
2W160-10-NO	112		125		
2W160-15	90	56	103	66	1/2"
2W160-15-NO	112		125		
2W200-20	94	56	110	73	3/4"
2W200-20-NO	116		132		
2W250-25	98	73	117	99	1"
2W250-25-NO	120		139		
2W350-35	135	93	160	118	1¼"
2W350-35-NO	155		180		
2W400-40	135	93	160	118	1½"
2W400-40-NO	155		180		
2W500-50	153	124	188	160	2"
2W500-50-NO	174		209		

2WB Series
Fluid Solenoid Valve With Stainless Steel Body

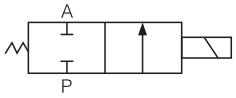


Specifications

Item	Parameter	
Operating	Water, Weak acid & alkali liquid	
Operation	Direct Acting	
Acting type	Diaphragm type	
Pressure range	0~1.0MPa	
Operating perssure	1.0MPa(Normal open type Max. pressure 0.8MPa)	
Medium temperature	-5~80℃ for NBR, -5~150℃ for VITON, EPDM	
Ambient temperature	-5~60℃	
Installation	As required	
Voltage	AC380V, 220V, 110V, 36V, 24V	DC220V, 110V, 36V, 24V, 12V

Note: lastic capsulation coils and common coils available.

Symbol



Ordering code

2WB — Model

2WB	Stainless steel fluid solenoid valve

160 — Orifice size

030	3mm
040	4mm
160	16mm
200	20mm
250	25mm
350	35mm
400	40mm
500	50mm

15 — Port size

06	1/8"
08	1/4"
10	3/8"
15	1/2"
20	3/4"
25	1"
35	1¼"
40	1½"
50	2"

E — Sealing material

Blank	NBR
E	EPDM
V	VITON
S	SI

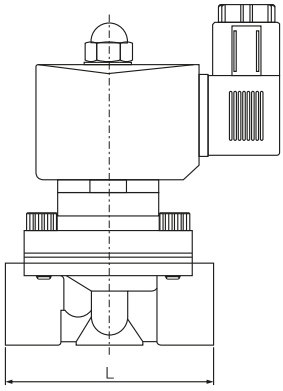
Z — Coil form

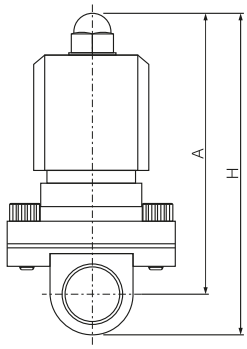
Z	EX-proof
Blank	Round coil
S	IP65 Square coil
A	Water-proof
F	Flange connection
NC	Normally close
NO	Normally open

AC110V — Standard voltage

DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Dimensions





Model	Port size (mm)	Orifice (mm)	CV Value	Pressure range(MPa)	Power		Intergral size(mm)		
					AC(VA)	DC(W)	L	H	A
2WB-06	1/8"	3	0.25	0~1.0	15	12	Φ35	76	65
2WB-08	1/4"	3					Φ35	76	65
2WB-10	3/8"	4	0.6		18	16	Φ44	88	75
2WB-10	3/8"	16	4.8				68	110	96.5
2WB-15	1/2"	16					68	110	96.5
2WB-20	3/4"	20					70	117	101
2WB-25	1"	25	12				98	125	105
2WB-35	1¼"	35	24		28	24	115	160	136.5
2WB-40	1½"	40	29				122	170	141
2WB-50	2"	50	48				166	192	157

Note: The valve body is square when L is 35 and 44.

2WBF Series
Fluid Stainless Steel Solenoid Valve With Flange Connection



Specifications

Item	Parameter	
Operatino medium	Water, Weak acid & alkali liquid	
Operation	Direct Acting	
Acting type	Diaphragm type	
Pressure range	0~1.0MPa	
Operation perssure	1.0MPa(Normal open type Max. pressure 0.8MPa)	
Medium temperature	NBR for -5~80℃ and VITON for -5~150℃, EPDM	
Ambient temperature	-5~60℃	
Installation	As required	
Voltage	AC380V, 220V, 110V, 36V, 24V	DC220V, 110V, 36V, 24V, 12V

Ordering code

2WBF — Model

2WBF	Stainless steel fluid with flange solenoid valve

15 — Port size

10	10mm
15	15mm
20	20mm
25	25mm
35	35mm
40	40mm
50	50mm

E — Sealing material

Blank	NBR
E	EPDM
V	VITON
S	SI

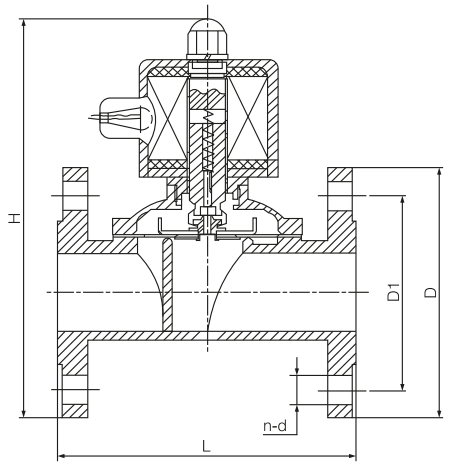
Z — Coil form

Z	EX-proof
Blank	Round coil
S	IP65 Square coil
A	Water-proof
NC	Normally close
NO	Normally open

AC110V — Standard voltage

DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Dimensions



Model	Orifice (mm)	CV Value	Pressure range(MPa)	Power	Dimension				
					H	L	D	D1	n-d
2WBF-15	16	4.8	0~1.0	14	145	115	95	65	4-Φ14
2WBF-20	20	7.6	0~1.0	14	155	115	105	75	4-Φ14
2WBF-25	25	12	0~1.0	14	166	135	110	85	4-Φ14
2WBF-35	35	28	0~0.7	50	205	148	135	100	4-Φ18
2WBF-40	40	28	0~0.7	50	218	160	145	110	4-Φ18
2WBF-50	50	48	0~0.7	50	228	202	156	125	4-Φ18

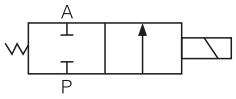
US(2L) Series
Pilot-operated Steam Solenoid Valve



Specifications

Model	US(2L)-15	US(2L)-20	US(2L)-25	US(2L)-35	US(2L)-40	US(2L)-50
Work medium	Air, Water, Steam					
Operation	Pilot operated					
Acting type	Normally Closed					
Orifice size(mm)	17		22	30		50
Cv value	4.8		12	20		48
Port size	1/2"	3/4"	1"	1¼"	1½"	2"
Operation fluid viscosity	20 CST Below					
Operating perssure	Air, Water, Steam: 0.1~1.5MPa					
Max. pressure resistance	1.5MPa					
Operating temperature	-5~185℃					
Voltage range	±10%					
Material of boby	Brass or stainless steel					
Material of oil seal	PTFE					

Symbol



Ordering code

US(2L) — Model

US(2L)	2/2 Way solenoid valve

15 — Port size

15	1/2"
20	3/4"
25	1"
35	1¼"
40	1½"
50	2"

SS — Material of boby

S.S.	Stainless steel
Blank	Brass

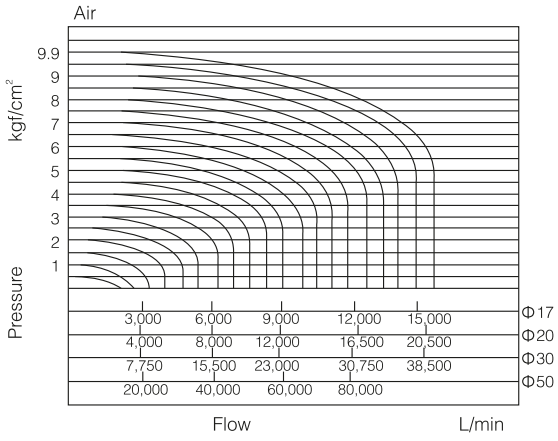
F — Installation form

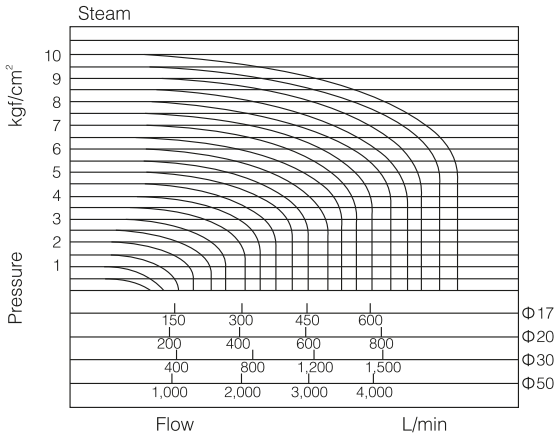
Blank	Thread
F	Flange

AC220V — Standard voltage

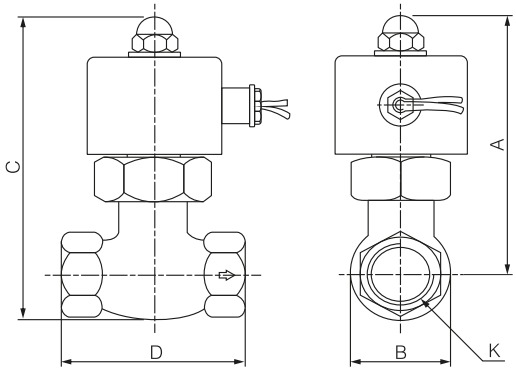
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Flow chart





Dimensions



Model	A	B	C	D	K
US(2L)-10	125	42	146	84	3/8"
US(2L)-15	125	42	146	84	1/2"
US(2L)-20	125	42	146	84	3/4"
US(2L)-25	136	52	162	94	1"
US(2L)-35	148	74	183	111	1¼"
US(2L)-40	147	74	183	111	1½"
US(2L)-50	176	86	223	165	2"

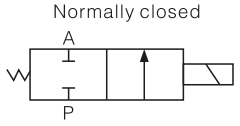


Specifications

Model		DG2231001	DG2231002	DG2231003	DG2231004
Orifice size(mm)		1.5	2	3	4
Pipe thread		1/8" or 1/4"			
Operating perssure		0~2.5	0~1.5	0~1.0	0~0.4
Operating temperature		-10~55℃			
Medium temperature		NBR: -5~80℃, EPDM: -5~120℃, VITON: -10~150℃			
Kv value(m^3/h)		0.1	0.15	0.31	0.54
Coil power	AC(VA)	16			
	DC(W)	13			

Note: PT thread, G thread and NPT thread are available.

Symbol



Product application

Direct acting brass valve fit for the neutral gas and liquid, e.g. compressed air, water, hydraulic oil could be used in the vacuum system. It may easily change the coil with no need to remove the valve body. The coil may be fixed in the position of 4×90°. It may freely move between the two required points.

Ordering code

DG22310

Model	
DG223	Compact direct acting solenoid valve

01

Orifice size	
01	1.5mm
02	2mm
03	3mm
04	4mm

06

Port size	
06	1/8"
08	1/4"

Z

Coil form	
Z	EX-proof
Blank	Normal coil IP65

E

Sealing material	
Blank	NBR
E	EPDM
V	VITON
S	SI

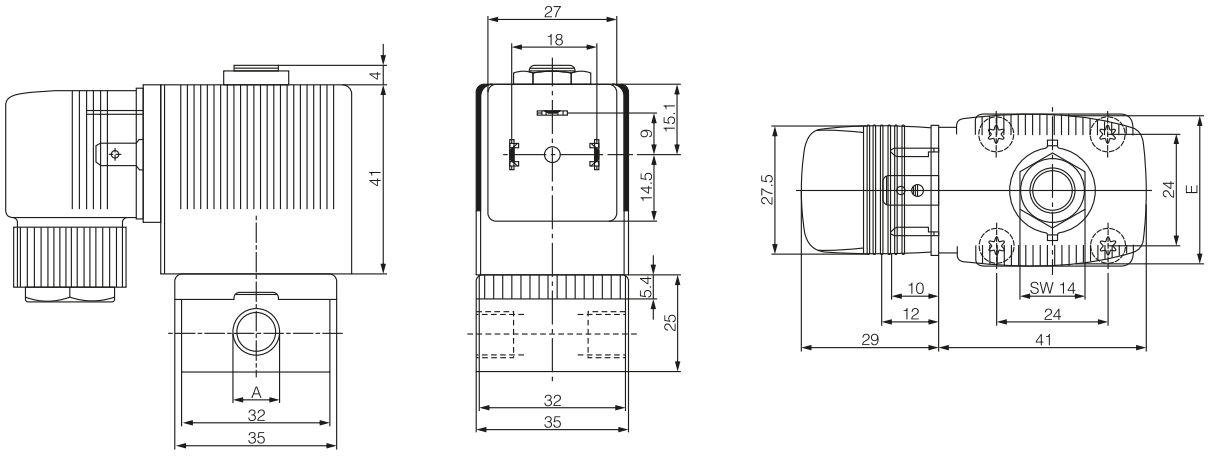
AC110V

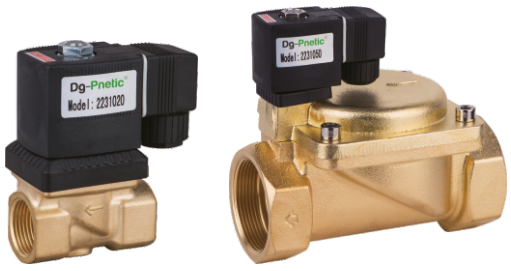
Standard voltage	
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Technical Specification

Item	Parameter
Pressure range	0~1.6MPa
Medium temperature	-10℃~+90℃
Operating temperature	Highest +55℃
Body material	Brass
Sealing material	VITON
Power consumption	DC: 8W AC: 24VA (Attraction) 17VA(Maintain)

Dimensions



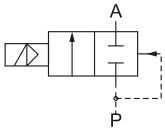


Specifications

Model		DG2231015	DG2231020	DG2231025	DG2231032	DG2231040	DG2231050
Orifice size(mm)		13	20	25	40		50
Port connection		1/2"	3/4"	1"	1¼"	1½"	2"
Operating pressure		0.03~1.0MPa			0.07~1.6MPa		
Ambient temperature		-10~55℃					
Medium temperature		-10~90℃					
Kv value(m^3/h)		3.6	8.3	11	25	30	45
Power consumption	AC(VA)	14					
	DC(W)	8					
Frequency(Hz)		⩾1	⩾0.5		⩾0.33		
Power, Voltage		AC: 50Hz 24V, 36V, 110V, 220V DC: 24V, 12V					

Note: PT thread, G thread and NPT thread are available.

Symbol



Ordering code

DG22310 — **15** — **E** — **Z** — **AC220V**

Model

DG223	2/2 Way diaphragm solenoid valve

Port size

15	1/2"
20	3/4"
25	1"
35	1¼"
40	1½"
50	2"

Sealing material

Blank	NBR
E	EPDM
V	VITON
S	SI

Coil form

Z	EX-proof
NO	Normal open
NC	Normal close

Standard voltage

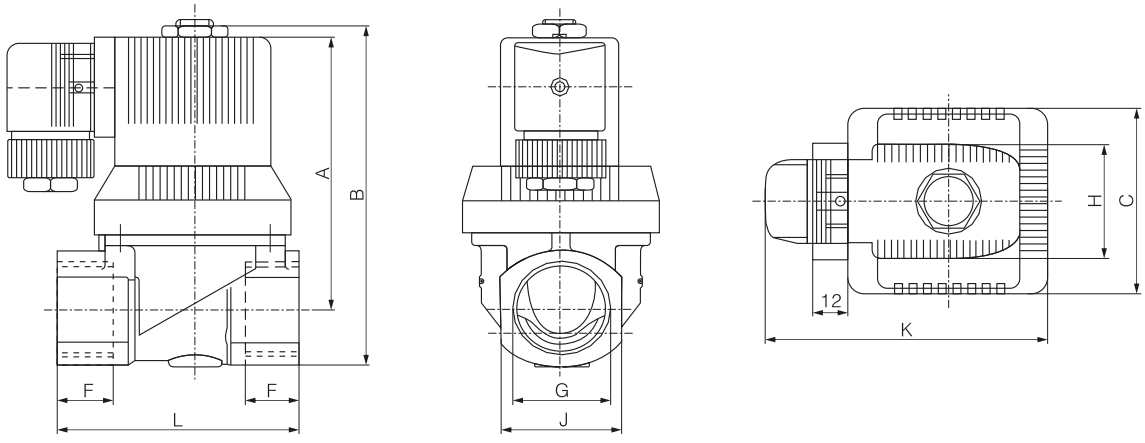
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Product feature

1. Medium temperature up to 90℃.
2. Suitable for gas, water, oil, weak acid & alkali.
3. Waterhammer-free design, low noise.
4. Smooth running, high flow.
5. High reliability, long service life.
6. Coil: Encapsulated with thermoset plastic.
7. Electric connector with protection degree of IP65, complying with ISO standard , wide interchangeability.
8. Assem bled with anti-explosion coil, can make the valve explosion-proof.

Note: Please specify the voltage and relative frequency for AC.

Dimensions



Model	G	C	F	L	J	A	B	H	K
DG2231015	1/2"	45	16	52	27	82	96	40	80
DG2231020	3/4"	45	16	63	31	82	96	40	80
DG2231025	1"	65	18	82	41	96	117	40	90
DG2231032	1¼"	96	20	132	58	112	145	40	132
DG2231040	1½"	96	20	132	58	112	145	40	132
DG2231050	2"	111	22	160	70	125	166	40	160

DG523 Series
High Temperature And High Pressure Solenoid Valve

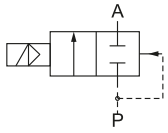


Specifications

Model		DG5231008	DG5231010	DG5231015	DG5231020	DG5231025
Orifice size(mm)		13			25	
Port connection		1/4"	3/8"	1/2"	3/4"	1"
Operating pressure		0.3~5.0MPa			0.3~3.5MPa	
Ambient temperature		-20~55℃				
Medium temperature		0~180℃				
Kv value(m^3/h)		3.6			11	
Power consumption	AC(VA)	14				
	DC(W)	8				
Frequency(Hz)		⩾1			⩾0.5	
Power, Voltage		AC: 50Hz 24V, 36V, 110V, 220V DC: 24V, 12V				

Note: PT thread, G thread and NPT thread are available.

Symbol



Ordering code

DG523

Model	
DG523	2/2 Way solenoid valve

10

Port size	
08	1/4"
10	3/8"
15	1/2"
20	3/4"
25	1"

Z

Coil form	
Z	EX-proof
NO	Normal open
Blank	Normal close

AC220V

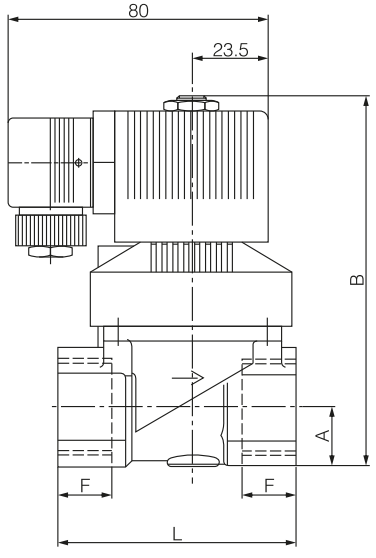
Standard voltage	
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

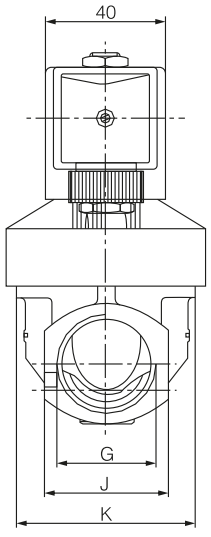
Product feature

1. The max media temperature could be up to 180℃.
2. Operating pressure up to 5MPa.
3. Idea for fluid media with kinematic viscosity ⩽1mm^2/s, including water, gases, acetylene, liquefied gas.
4. Coil: Encapsulation with thermoset plastics.
   Electric connector with IP65,
   Ambient temperature: -20~55℃.
5. Piston type structure, smooth starting, high reliability.

Note: The valve must assembled with anti-explosion coil when the fluid is flammable gas or liquid.

Dimensions



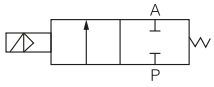


Model	G	F	H	K	L	E	B	A
DG5231008	1/4"	12	40	34	65	24	97	16
DG5231010	3/8"	12	40	34	65	24	97	16
DG5231015	1/2"	12	40	34	65	24	97	16
DG5231020	3/4"	16	40	60	92	45	124	20
DG5231025	1"	18	40	60	92	45	124	20

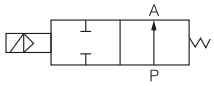





Symbol



0927□□0201

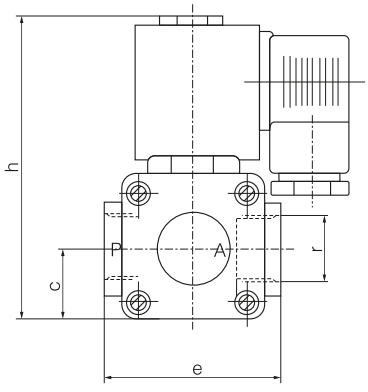


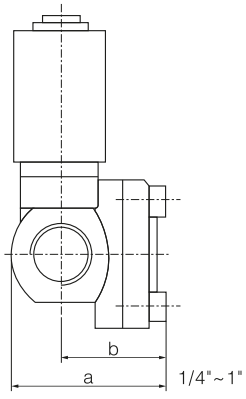
0955□□0201

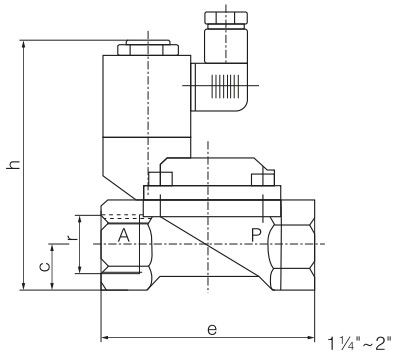
Product introduction

1. 0927 series solenoid valves are normally closed.
2. 0955 series solenoid valves are normally open.
3. Replaced with the anti-explosion coil can make the valves explosion-proof.

Dimensions







Specifications

Model	Orifice size (mm)	Operating pressure	Operating temperature	Orifice (mm^2)	Voltage (V)	a	b	c	e	h	r
0927000	8	0.07~1.6MPa	-5~80℃ for NBR, -5~150℃ for VITON, EPDM	20	AC: 220, 110 DC: 24	45	31.5	22	53	97	1/4"
0955105										114	
0927100	10			40						97	3/8"
0955205										114	
0927200	12			60						97	1/2"
0955305										114	
0927300	20			110		65	44	30	86	113	3/4"
0955405										130	
0927400	25			190						113	1"
0955505										130	
0927500	32	0.1~1.6MPa		300		95	47	31	132	136	1¼"
0955605										153	
0927600	40			400						136	1½"
0955705										153	
0927700	50			500		112	55	39.5	160	155	2"
0955805										172	

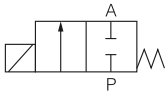
Note: PT thread, G thread and NPT thread are available.







Symbol



Ordering code

PU220 — Model

PU220	2/2 Way solenoid valve

06 — Port size

01	1/8"
02	1/4"
03	3/8"
04	1/2"
06	3/4"
08	1"

Z — Coil form

Z	EX-proof
Blank	IP65 coil
T	Timer

NBR — Sealing material

Blank	NBR
E	EPDM
V	VITON
S	SI

AC220V — Standard voltage

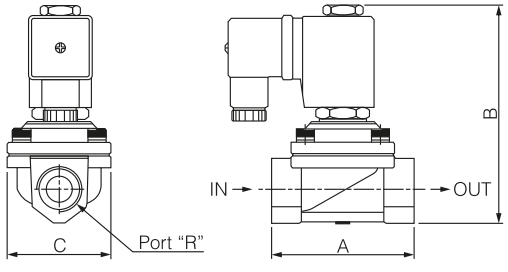
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Specifications

Model	PU220-01	PU220-02	PU220-03	PU220-03	PU220-04	PU220-06	PU220-08
Port size	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
Fluid	Compressed Air, Water, Light oil (Below 50CST)						
Operation	Direct acting						
Material	Brass						
Orifice size(mm)	1.5	2.3	8.0	13.0	13.0	20.0	25.0
Sectional area(mm)	1.8	3.3	20.64	76	76	162	220
Cv value	0.10	0.18	1.00	4.00	4.00	8.60	11.0
Operation-pressure(kg/cm^2)	AC 0~8.5 DC 0~7.0	AC 0~8.5 DC 0~7.0	AC 0~10 DC 0~7.0	AC 0~8.5 DC 0~7.0	AC 0~8.5 DC 0~6.0	AC 0~8.5 DC 0~6.0	AC 0~7.0 DC 0~5.0
Max. pressure	10kgf/cm^2						
Diaphragm type	NBR or VITON, EPDM						
Temperature range	-5~80℃ (NBR) and -5~150℃ (EPDM, VITON)						
Ambient temperature	-20℃~60℃						
Power consumption	22VA						
Duty cycle	100%						
Installation	Horizontal or slant (Valve body)						
Coils type	DIN						
Voltage tolerance	±10%						
Protection grade	IP65						
Insulation	F						
Standard voltage	Standard: DC24, AC220V, AC110V, 50/60HZ Especial: DC12V, DC48V, AC24V, AC380V						

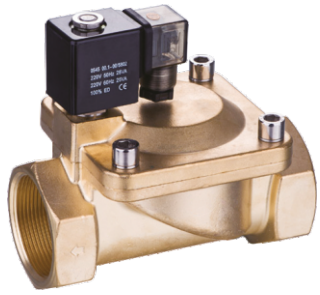
Note: PT thread, G thread and NPT thread are available.

Dimensions

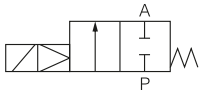


Model	PU220-03	PU220-04	PU220-06	PU220-08
R	3/8"	1/2"	3/4"	1"
A	66.5	66.5	71.0	96.0
B	101.0	101.0	107.0	120.5
C	48.0	48.0	85.0	70.0

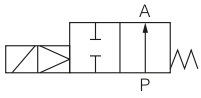


Symbol



PU225
Normally closed



PU225
Normally open

Ordering code

PU225

Model	
PU225	2/2 Way pilot solenoid valve

06

Port size	
03	3/8"
04	1/2"
06	3/4"
08	1"
12	1¼"
14	1½"

Z

Coil form	
Z	EX-proof
Blank	IP65 coil
T	Timer

Sealing material

Blank	NBR
E	EPDM
V	VITON
S	SI

NBR

AC220V

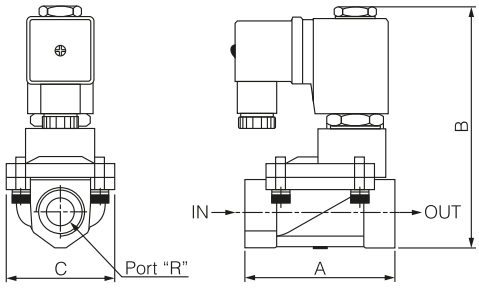
Standard voltage	
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Specifications

Model	PU225-03	PU225-04	PU225-06	PU225-08	PU225-12	PU225-14
Port size	3/8"	1/2"	3/4"	1"	1¼"	1½"
Fluid	Compressed Air, Water, Light oil (Below 50CST)					
Operation	Pilot operated					
Material	Brass					
Orifice size(mm)	13		25		38	
Sectional area(mm)	88		230		404	552
Cv value	4.50		12.00		22.00	30.00
Operation-pressure(kg/cm^2)	0.5~10kgf/cm^2					
Max. pressure	15kgf/cm^2					
Diaphragm type	NBR or VITON, EPDM					
Temperature range	-5~80℃ (NBR) and -5~150℃ (EPDM, VITON)					
Ambient temperature	-20℃~60℃					
Power consumption	22VA					
Duty cycle	100%					
Installation	Horizontal or slant (Valve body)					
Coils type	DIN					
Voltage tolerance	±10%					
Protection grade	IP65					
Insulation	F					
Standard voltage	Standard: DC24, AC220V, AC110V, 50/60HZ Especial: DC12V, DC48V, AC24V, AC380V					

Note: PT thread, G thread and NPT thread are available.

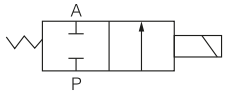
Dimensions



Model	PU225-03	PU225-04	PU225-06	PU225-08	PU225-12	PU225-14
R	3/8"	1/2"	3/4"	1"	1¼"	1½"
A	66.5	66.5	96.0	96.0	131.0	131.0
B	106.5	106.5	126.0	126.0	145.5	145.5
C	48.0	48.0	70.0	70.0	96.0	96.0



Symbol



Ordering code

VX2120

Model	
VX2120	2/2 Way direct acting solenoid valve
VX2130	

06

Port size	
06	1/8"
08	1/4"
10	3/8"
15	1/2"

NO

Coil form	
Blank	Normal close
NO	Normal open

V

Sealing material	
Blank	NBR
E	EPDM
V	VITON
S	SI

AC220V

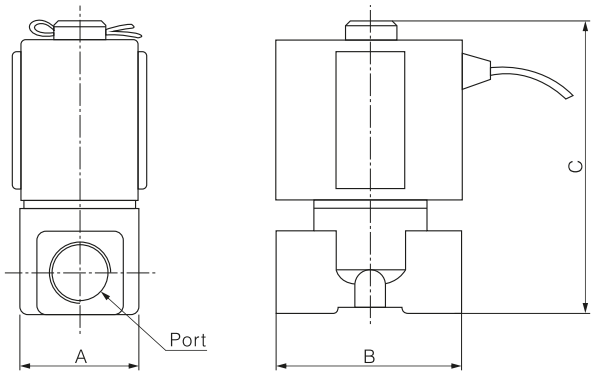
Standard voltage	
DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Specifications

Model	VX2120-06-NO	VX2120-08-NO	VX2120-06	VX2120-08	VX2120-10	VX2130-10	VX2130-15
Working medium	Air, Water, Steam, Gas						
Operation	Direct acting type						
Type	Normal open		Normal close				
Working pressure	0~1.0MPa						
Orifice size (mm)	2mm		3mm		10mm		
Port size	1/8"	1/4"	1/8"	1/4"	3/8"	3/8"	1/2"
Working temperature range	NBR for -5~80℃ and VITON for -5~150℃						
Sealing material	NBR or VITON						

Note: PT thread, G thread and NPT thread are available.

Dimensions

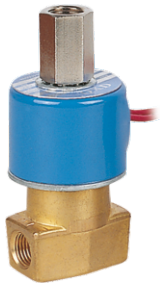


Model	Port size	A	B	C
VX2120-06-NO	1/8"	25	40	70
VX2120-08-NO	1/4"	25	40	70
VX2120-06	1/8"	25	40	45
VX2120-08	1/4"	25	40	45
VX2120-10	3/8"	40	48	80
VX2130-10	3/8"	40	48	80
VX2130-15	1/2"	48	48	110

QX Series
Direct-Acting Solenoid Valve (2/2, 3/2 Way)



QX22-10

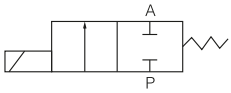


QX23-08



QX23-08-S

Symbol



Product feature

Brass direct acting solenoid valve, suitable for neutral gas and liquid, including compressed air, natural gas, water, hydraulic oil and technical vacuum.
Compact design, high quality VITON seal.

Ordering code

QX — Model

QX	Direct-acting solenoid valve

22 — Valve type

22	2/2 way
23	3/2 way

08 — Port size

08	Z1/4"
10	Z3/8"

S — Coil form

Blank	Round coil
S	Square coil IP65

V — Sealing material

Blank	NBR
E	EPDM
V	VITON
SI	SI

AC220V — Standard voltage

DC12V	
DC24V	
AC24V	50Hz/60Hz
AC110V	50Hz/60Hz
AC220V	50Hz/60Hz
AC380V	50Hz/60Hz

Specifications

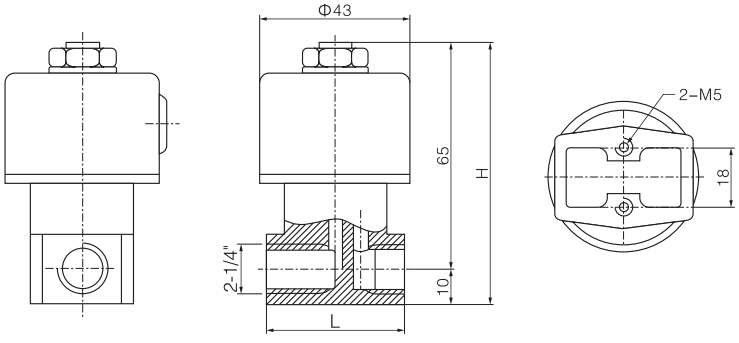
QX22 Series

Model	Port connection	Orifice size	CV Value	Pressure difference(MPa)	Overall size		Power VA
QX22-08	Z1/4"	4	0.43	0~0.9	40	75	10W
QX22-10	Z3/8"						
The following orifice need to be customized							
-		2.4	0.21	0~2.0	-		
-		5	0.5	0~0.6	-		

QX23 Series

Model	Orifice size		Port connection	Pressure difference (MPa)	Overall size		Standard voltage	Power VA
	Top	Body			L	H		
QX23-08	2.3	1.6	Z1/4", Z3/8" Optional	0~0.9	41	95	AC: 380V, 220V, 36V	10W
QX23-10	2.3	1.6					DC: 220V, 24V	

Dimensions



Model	L	H
QX22-08	40	75
QX22-10	40	75
QX23-08	41	95
QX23-10	41	95





Product introducing

1. PT general electric drain valve assem bled electric timer with the solenoid valve to realize discharging the condensed water of compressed pneumatic system at certain time automatically.
2. PT electric drain valve were widely applied in compressed pneumatic system component like filter, separator, dryer machine, gas tank, water drain set and so on. Discharge time and interval time can be set according to different requirements.

Product character

1. Interval time and discharge time can be adjustable and have test buttons.
2. Pressure 16Bar, 40Bar, 80Bar. Many kinds of voltages and connections to be chose.
3. Entire stainless steel valve, explosion-proof valve to be chose.
4. CE certification, protection grade IP65, insulation grade H level.
5. 5.0mm large orifice direct-acting valve, viton seal.
6. Combined with ball valve, strainer.
7. External dimensions: 112×44×90mm, weight 600g.

Specifications

Timer	PT-A
Interval time (OFF)	0.5 to 45 minutes, adjustable
Discharge time (ON)	0.5 to 10 seconds, adjustable
Manual test switch	Micro switch
Supply voltage	24~240V AC/DC 50/60Hz (380VAC can be offered) / 12~380 VAC/DC 50/60Hz
Power consumption	4mA Maximum
Operating temperature	-40℃~+60℃
Protect grade	IP65 IP65, NEMA4
Shield material	ABS Plastic
Connection	DIN 43650 - A/ISO 4400
Indicators	1 LED (Yellow), Indicating ON/OFF
Design standards	VDE 01 10C

Valve	PT-16, PT-40, PT-80
Type	2/2-way direct acting
In/Out ports	1/4", 3/8", 1/2"
Max. working pressure	16Bar, 40Bar, 80Bar
Min./Max. temperature	2℃/55℃
Max.Media temperature	Max. 90℃
Valve seals	NBR, FPM (Viton) seals, 4.5 mm orifice
Operating temperature	Max. 200℃
Protection grade	IP65, NEMA4
Available voltage	24~230V AC/DC (380VAC can be Available) / 12 ~380VAC/DC 50/60Hz
Voltage fluctuation	±10%
Mountable position	Random