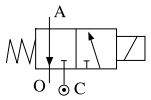
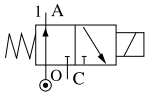
VX 3/2-way solenoid valve of forged brass body for general application

Direct-operated Type / Inlet from C

Normally closed 

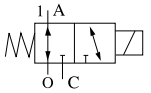
Model	Port size	Orifice (mm)	CV value	Fluid temp. (˚C)	Seat disc	Differential pressure kg/cm² (bar)			Wt. (kg)
						Liquid	Air	Naphtha	
VX-3121	1/4 "	1.6	0.09	-10	NBR	0-7	0-7	0-7	0.46
VX-3122	1/4 "	2.2	0.16	∫		0-5	0-5	0-5	0.46
VX-3221	1/4 "	1.6	0.09			0-11	0-11	0-11	0.67
VX-3222	1/4 "	2.2	0.16	80	Viton®	0-7	0-7	0-7	0.67

Direct-operated Type / Inlet from O

Normally open 

Model	Port size	Orifice (mm)	CV value	Fluid temp. (˚C)	Seat disc	Differential pressure kg/cm² (bar)			Wt. (kg)
						Liquid	Air	Naphtha	
VX-3121	1/4 "	1.6	0.09	-10	NBR	0-8	0-8	0-8	0.46
VX-3122	1/4 "	2.2	0.16	∫		0-5	0-5	0-5	0.46
VX-3221	1/4 "	1.6	0.09			0-8	0-8	0-8	0.67
VX-3222	1/4 "	2.2	0.16	80	Viton®	0-5	0-5	0-5	0.67

Direct-operated Type / Inlet from A

Universal 

Model	Port size	Orifice (mm)	CV value	Fluid temp. (˚C)	Seat disc	Differential pressure kg/cm² (bar)			Wt. (kg)
						Liquid	Air	Naphtha	
VX-3121	1/4 "	1.6	0.09	-10	NBR	0-8	0-8	0-8	0.46
VX-3122	1/4 "	2.2	0.16	∫		0-6	0-6	0-6	0.46
VX-3221	1/4 "	1.6	0.09			0-11	0-11	0-11	0.67
VX-3222	1/4 "	2.2	0.16	80	Viton®	0-8	0-8	0-8	0.67

V X

3/2-way solenoid valve of forged brass body for general application

How to order

VX - 3121 - N - E2 - A - 220VAC - G

- Thread : None-PT (RC)
  G-BSP (PF)
  N-NPT
- Voltage
- Application : None-Liquid (water,hot water)
  A-Air
  N-Naphtha
- Coil : E1-Square cable wire (WP-Al-E) E2-Square cable wire (WP-A2-E)
  C1-Round cable wire (WP-A1-C) C2-Round cable wire (WP-A2-C)
  D1-Square DIN for AC (WP-A1-D) D2-Square DIN for AC (WP-A2-D)
  F1-Round DIN for DC (WP-C1-D) F2-Round DIN for DC (WP-C2-D)
  EX-Explosion proof (EX-B2)
- Seat : N-NBR (BUNA N)
  V-Viton® (FKM)
- Code
- Model : VX-Forged Brass
  VXS-Stainless steel

Notes:

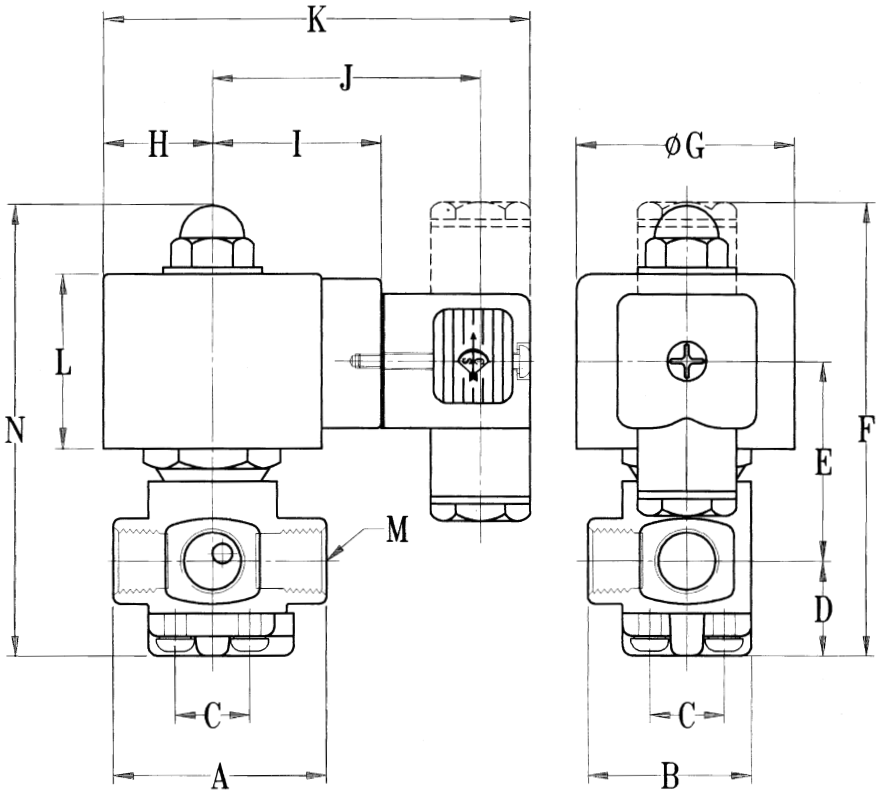
1. In order to prolong operating life, it is better to allocate pipe horizontally and to face coil upward.
2. Voltage drop range is within ±10%.
3. Pressure of voltage DC is 70% of voltage AC only.
4. Stainless steel series is custom-made.
5. Selection of coil refer to page 136~139.

Inapplicable Fluids:

1. Fluids that have kinematic viscosity over 50 CST.
2. Fluids that will turn to liquid after being heated and become solid after being cooled.
3. Corrosive fluids.

V X

3/2-way solenoid valve of forged brass body for general application



● Coil:

VX-31 □ □ : WP-C1-D
VX-32 □ □ : WP-C2-D
} for DC Voltage

● Specifications:

Unit:mm

Item / Model	A	B	C	D	E	F	ø G	H	I	J	K	L	M	N
VX-31 □ □	43	33	15	19	40	94	44	22	34	54	86	35	1/4 "	92
VX-32 □ □	43	33	15	19	39	91	56	28	41	60	99	38	1/4 "	96

● Coil:

VX-31 □ □ : WP-A1-C
VX-32 □ □ : WP-A2-C

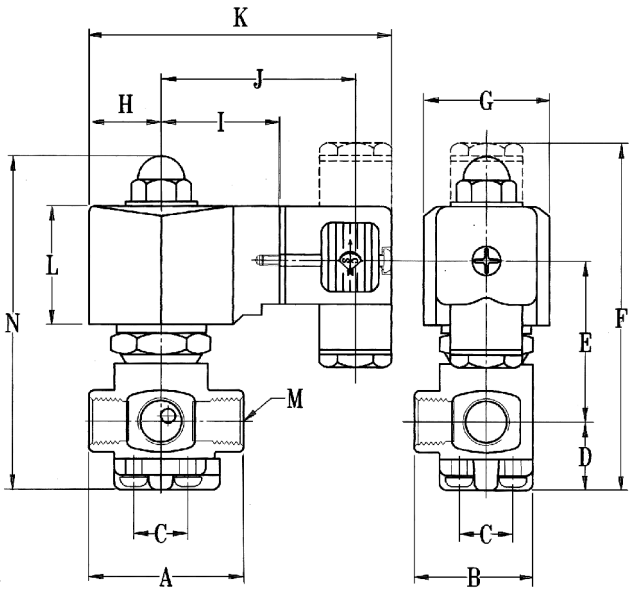
● Specifications:

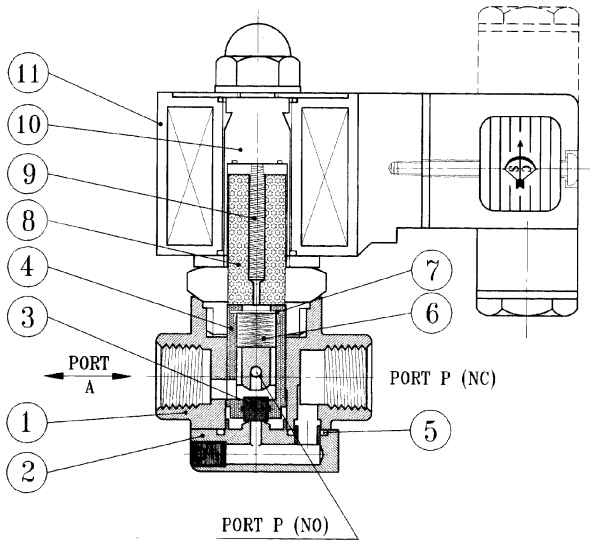
Unit:mm

Item / Model	A	B	C	D	E	F	ø G	H	L	M
VX-31 □ □	43	33	15	19	30	95	42	-	40	1/4 "
VX-32 □ □	43	33	15	19	41	98	53	72	43	1/4 "

VX

3/2-way solenoid valve of forged brass body for general application





● Material Table

Item	Article	Material
1	Body	Forged Brass
2	Valve Bonnet	Forged Brass
3	Seat	NBR, Viton®
4	Fixed Bracket	Plastic
5	O-Ring	NBR, Viton®
6	Spring	SUS 304
7	Spring Fixed Base	SUS 304
8	Armature Core	Stainless Steel
9	Spring	SUS 304
10	Solenoid Tube	Stainless Steel
11	Coil	Brass Wire

Coil:

VX-31 □ □ : WP-A1-D
VX-32 □ □ : WP-A2-D
} for AC Voltage

● Specification:

Unit:mm

Item / Model	A	B	C	D	E	F	G	H	I	K	L	M
VX-31 □ □	43	33	15	19	46	92	35	20	28	58	33	1/4 "
VX-32 □ □	43	33	15	19	46	95	40	23	30	62	38	1/4 "

● Coil:

VX-31 □ □ : WP-A1-D
VX-32 □ □ : WP-A2-D
} for AC Voltage

● Specification:

Unit:mm

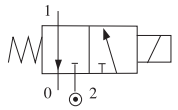
Item / Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
VX-31 □ □	43	33	15	19	46	96	35	20	33	54	86	33	1/4 "	92
VX-32 □ □	43	33	15	19	48	98	40	23	35	56	89	38	1/4 "	95

MD

3/2-way solenoid valve of forged brass body for general application

Direct-operated Type

Normally closed



Model	Port size	Orifice (mm)	CV value	Fluid temp. (˚C)	Seat disc	Differential pressure kg/cm² (bar)			Wt. (kg)
						Liquid	Air	Oil (120˚C)	
MD-6A	1/8 "	1.6	0.09	-10 ∫ 80 (120)	EPDM NBR Viton® Silicone PTFE	0-10	0-10	0-10	0.47
MD-6B	1/8 "	2.0	0.11			0-7	0-7	0-7	0.47
MD-8A	1/4 "	1.6	0.09			0-10	0-10	0-10	0.45
MD-8B	1/4 "	2.0	0.11			0-7	0-7	0-7	0.45

How to order

MD - 6A - N - F1 - A - 220VAC - G

- Thread : None-PT (RC), G-BSP (PF), N-NPT, R-PS (RP)
- Voltage
- Application : None-Liquid (water,hot water), A-Air, G-Gas, N-Naphtha
- Coil : E1-Square cable wire (WP-Al-E) EX-Explosion proof (EX-B2), C1-Round cable wire (WP-A1-C), D1-Square DIN for AC (WP-A1-D), F1-Round DIN for DC (WP-C1-D)
- Seat : N-NBR (BUNA N), S-Silicone, E-EPDM, V-Viton® (FKM), T-PTFE
- Code
- Model

Notes:

1. In order to prolong operating life, it is better to allocate pipe horizontally and to face coil upward.
2. Voltage drop range is within ±10%.
3. Pressure of voltage DC is 70% of voltage AC only.
4. Max. temperature is up to 120˚C.
5. Selection of coil refer to page 136~139.
6. PTFE seat is custom-made.

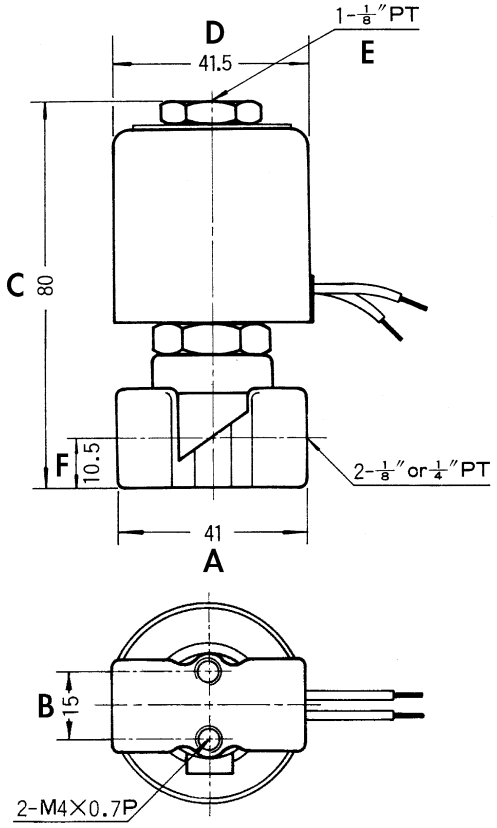
Inapplicable Fluids:

1. Fluids that have kinematic viscosity over 50 CST.
2. Fluids that will turn to liquid after being heated and become solid after being cooled.
3. Corrosive fluids.

MD

3/2-way solenoid valve of forged brass body for general application

● MD-6~8B Specification Chart



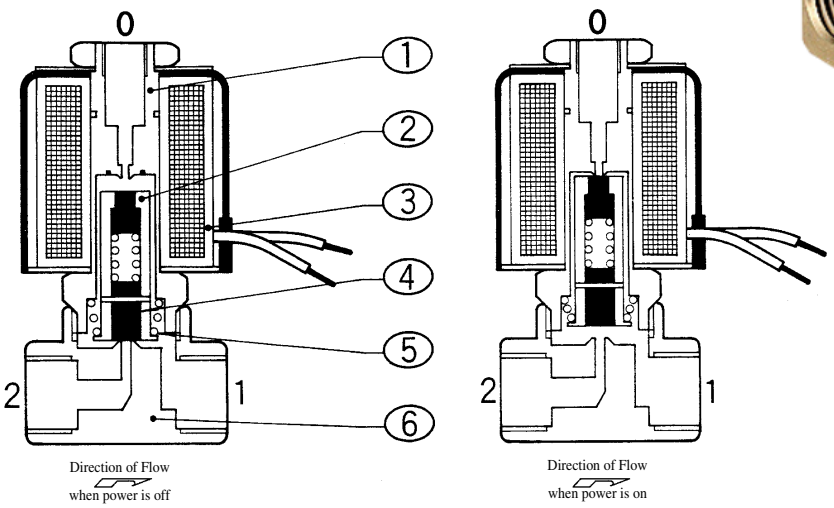
● Specifications

Unit:mm

Item / Model	A	B	C	D	E	F	Coil Model
MD-6A~8B	41	15	80	41.5	1/8 "	10.5	WP-A1-C
	41	15	80	53	1/8 "	10.5	WP-A1-D*
	41	15	80	58	1/8 "	10.5	WP-A1-E
	41	15	80	56	1/8 "	10.5	WP-C1-D*

*with connector

● MD-6~8B Operation Chart



● Material Table

Item	Article	Material
1	Solenoid Tube	Stainless Steel
2	Armature Core	Stainless Steel
3	Coil	Brass Wire
4	Seat	Synthetic Rubber
5	Spring	Stainless Steel
6	Valve Body	Forged Brass