



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

Direct-operated Type / Inlet from C



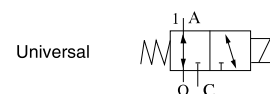
Model	Port size	Orifice (mm)	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm ² (bar)			Wt. (kg)
						Liquid	Air	Naphtha	
VX-3121	1/4 "	1.6	0.09	-10 ∫	NBR	0-7	0-7	0-7	0.46
VX-3122	1/4 "	2.2	0.16			0-5	0-5	0-5	0.46
VX-3221	1/4 "	1.6	0.09			0-11	0-11	0-11	0.67
VX-3222	1/4 "	2.2	0.16	80	Viton®	0-7	0-7	0-7	0.67

Direct-operated Type / Inlet from O



Model	Port size	Orifice (mm)	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm ² (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



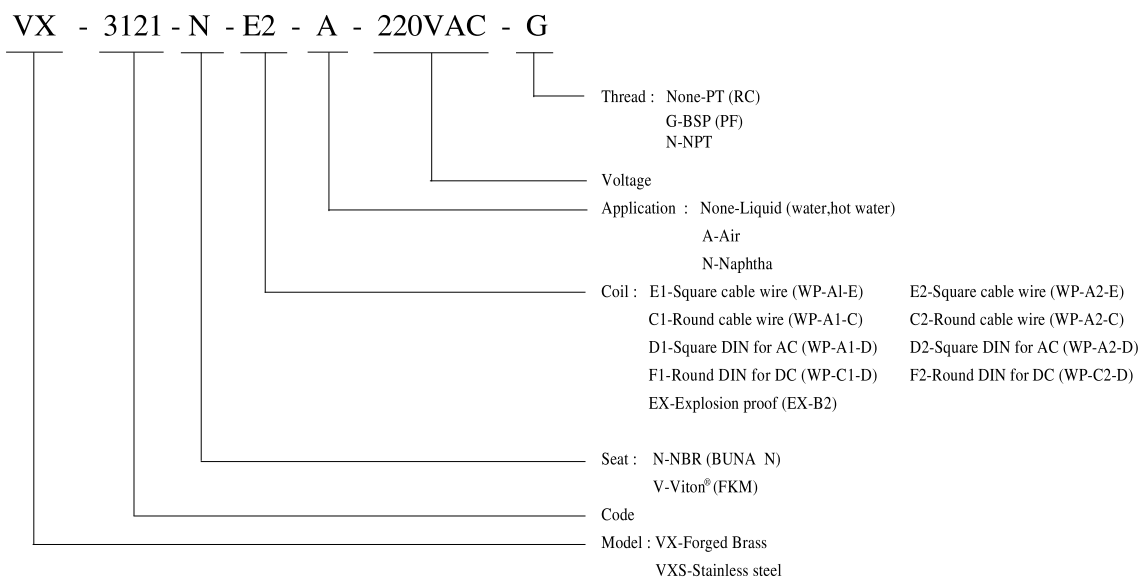
Model	Port size	Orifice (mm)	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm ² (bar)			Wt. (kg)
						Liquid	Air	Naphtha	
VX-3121	1/4 "	1.6	0.09	-10 ∫	NBR	0-8	0-8	0-8	0.46
VX-3122	1/4 "	2.2	0.16			0-6	0-6	0-6	0.46
VX-3221	1/4 "	1.6	0.09			0-11	0-11	0-11	0.67
VX-3222	1/4 "	2.2	0.16	80	Viton®	0-8	0-8	0-8	0.67



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How to order



Notes:

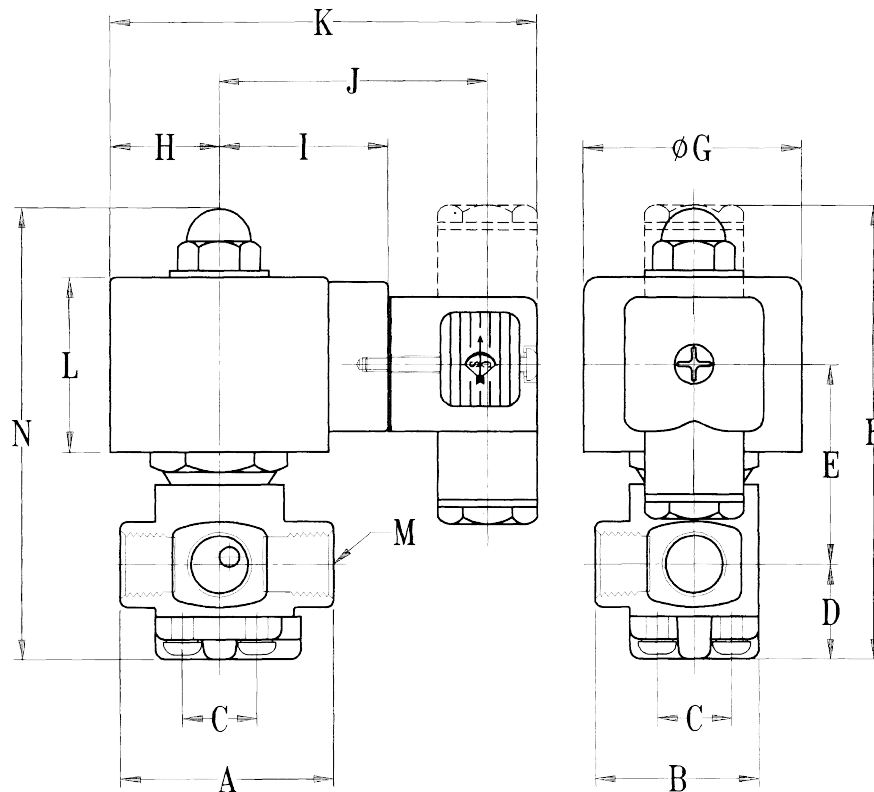
1. In order to prolong operating life, it is better to allocate pipe horizontally and to face coil upward.
2. Voltage drop range is within $\pm 10\%$.
3. Pressure of voltage DC is 70% of voltage AC only.
4. Stainless steel series is custom-made.
5. Selection of coil refer to page 136~139.

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.



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● 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	° 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

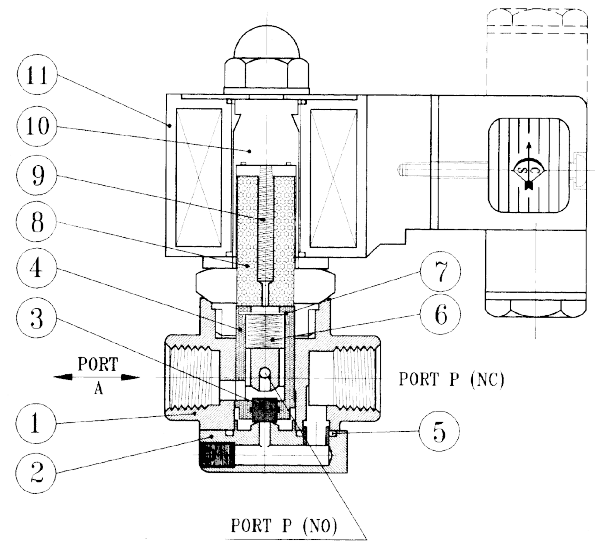
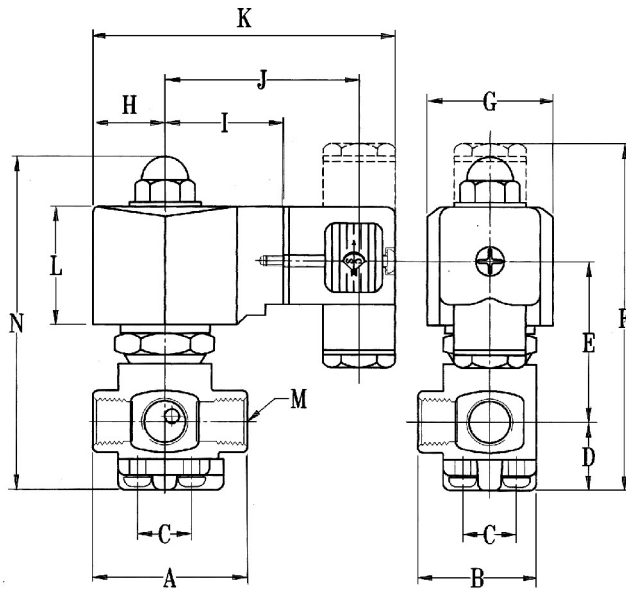
● Specifications:

Unit:mm

Item Model	A	B	C	D	E	F	° 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 "



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

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

● 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