

How to Order



VXD2 3 0 A A

Fluid

0 For Air

Size—Valve type

Symbol	Size	Valve type
3	8A 10A 15A	N.C.
A		N.O.

Body material/Port size/Orifice diameter

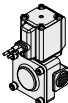
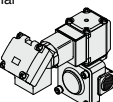
Symbol	Body material	Port size	Orifice diameter
A	Aluminum	1/4	10
B		3/8	
C		1/2	
D		ø10 One-touch fitting	
E	Resin	ø3/8" One-touch fitting	15
F		ø12 One-touch fitting	
G	C37	3/8	20
H		1/2	
J	Stainless steel	3/8	25
K		1/2	
L	C37	3/4	35
M	Stainless steel		
N	C37	1	40
P	Stainless steel		
Q	CAC408	32A Flange	50
R	CAC408	40A Flange	
S	CAC408	50A Flange	

Common Specifications

Seal material	NBR
Coil insulation type	Class B
Thread type	Rc*

* When the body is resin, one-touch fittings are supplied. For body size 32A or more, the ports will be the flange type.

Voltage/Electrical entry

Symbol	Voltage	Electrical entry
A	24 VDC	Grommet 
B	100 VAC	Grommet (With surge voltage suppressor) 
C	110 VAC	
D	200 VAC	
E	230 VAC	
F	24 VDC	DIN terminal (With surge voltage suppressor) 
G	24 VDC	
H	100 VAC	
J	110 VAC	
K	200 VAC	Conduit terminal (With surge voltage suppressor) 
L	230 VAC	
M	24 VDC	
N	100 VAC	
P	110 VAC	Conduit (With surge voltage suppressor) 
Q	200 VAC	
R	230 VAC	
S	24 VDC	
T	100 VAC	Flat terminal 
U	110 VAC	
V	200 VAC	
W	230 VAC	
Y	24 VDC	
Z	Other special options	

For other special options, refer to page 133.

Special voltage	24 VAC
	48 VAC
	220 VAC
	240 VAC
	12 VDC
DIN terminal with light	
Conduit terminal with light	
Without DIN connector	
Low concentration ozone resistant (Seal material: FKM)	
Seal material: EPDM	
Oil-free	
G thread	
NPT thread	
With bracket	
Special electrical entry direction	

Dimensions → Page on and after 138 (Single Unit)



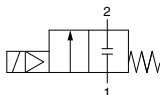
For Water

* Possible to use this for air.
Note that the maximum operating pressure differential and flow rate characteristics should be within the specifications for air.

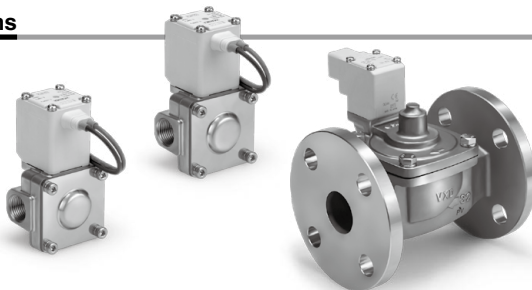
Model/Valve Specifications

N.C.

Symbol



Refer to "Glossary of Terms" on page 156 for symbol.



Normally Closed (N.C.)

Body material	Port size	Orifice diameter (mm)	Model	Min. operating pressure differential ^{Note 1, 3)} (MPa)	Max. operating pressure differential ^{Note 3)}		Flow rate characteristics		Max. system pressure ^{Note 3)} (MPa)	Weight ^{Note 2)} (g)
					AC	DC	Kv	Conversion Cv		
Stainless steel, C37	1/4 (8A)	10	VXD232	0.02	0.7	0.5	1.6	1.9	1.5	480
	3/8 (10A)						2.0	2.4		480
	1/2 (15A)						2.0	2.4		480
	3/8 (10A)	15	VXD242		3.9	4.5	720			
	1/2 (15A)				4.6	5.5	720			
	3/4 (20A)				8.2	9.5	840			
1 (25A)	25	VXD262	11.0		13	1360				
CAC408	32A Flange	35	VXD272	0.03	1.0	1.0	19.6	23		5400
	40A Flange	40	VXD282				26.4	31		6800
	50A Flange	50	VXD292				42.8	49		8400

Note 1) Be aware that even if the pressure differential is above the minimum operating pressure differential when the valve is closed, the pressure differential may fall below the minimum operating pressure differential when the valve opens, depending on the power of the supply source (pumps, compressors, etc.) or the type of pipe restrictions.

Note 2) Weight of grommet type. Add 10 g for conduit type, 30 g for DIN terminal type, 60 g for conduit terminal type respectively.

Note 3) Refer to "Glossary of Terms" on page 156 for details on the minimum operating pressure differential, maximum operating pressure differential, maximum system pressure.

Fluid and Ambient Temperature

Fluid temperature (°C)	Ambient temperature (°C)
1 to 60 ^{Note)}	-20 to 60

Note) No freezing

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Water) ^{Note 1)}	
	VXD23 to 26 (8A to 25A)	VXD27 to 29 (32A to 50A)
NBR (FKM) ^{Note 2)}	0.2 cm ³ /min or less	1 cm ³ /min or less

External Leakage

Seal material	Leakage rate (Water) ^{Note 1)}	
	VXD23 to 26 (8A to 25A)	VXD27 to 29 (32A to 50A)
NBR (FKM) ^{Note 2)}	0.1 cm ³ /min or less	0.1 cm ³ /min or less

Note 1) Leakage is the value at ambient temperature 20°C.

Note 2) For seal material/FKM, refer to "Other options" on page 133 for the selection.