VXD Series
Common Specifications

Standard Specifications

Valve specifications	Valve construction		Pilot operated 2 port diaphragm type
	Withstand pressure		2.0 MPa (Resin body type 1.5 MPa)
	Body material		Aluminum, Resin, C37 (Brass), Stainless steel, CAC408 (Bronze casting)
	Seal material		NBR, FKM, EPDM Note 3)
	Enclosure		Dust-tight, Water-jet-proof type (IP65) Note 4)
	Environment		Location without corrosive or explosive gases
Coil specifications	Rated voltage	AC	100 VAC, 200 VAC, 110 VAC, 230 VAC, (220 VAC, 240 VAC, 48 VAC, 24 VAC) Note 2)
		DC	24 VDC, (12 VDC) Note 2)
	Allowable voltage fluctuation		±10% of rated voltage
	Allowable leakage voltage	AC	5% or less of rated voltage
		DC	2% or less of rated voltage
	Coil insulation type		Class B, Class H

Note 1) Electrical entry flat terminal type terminal is IP40.
Note 2) Voltage in ( ) indicates special voltage. (Refer to page 133.)
Note 3) For seal material/EPDM, refer to page 134.
Note 4) For enclosure, refer to "Glossary of Terms" on page 156. When using the product in a place which requires water resistance, please contact SMC.

⚠ **Be sure to read "Specific Product Precautions" before handling.**

Solenoid Coil Specifications

Normally Closed (N.C.)

DC Specification

Class B

Model	Power consumption (W) Note 1)	Temperature rise (°C) Note 2)
VXD23 to 25	4.5	50
VXD26, 27	7	55
VXD28, 29	10.5	65

Class H

Model	Power consumption (W) Note 1)	Temperature rise (°C) Note 2)
VXD23 to 25	9	100
VXD26, 27	12	100
VXD28, 29	15	100

Normally Open (N.O.)

DC Specification

Class B

Model	Power consumption (W) Note 1)	Temperature rise (°C) Note 2)
VXD2A to 2C	7.5	60
VXD2D, 2E	8.5	70
VXD2F, 2G	12.5	70

Class H

Model	Power consumption (W) Note 1)	Temperature rise (°C) Note 2)
VXD2A to 2C	9	100
VXD2D, 2E	12	100
VXD2F, 2G	15	100

Note 1) Power consumption: The value at ambient temperature of 20°C and when the rated voltage is applied. (Variation: ±10%)
Note 2) The value at ambient temperature of 20°C and when the rated voltage is applied. The value depends on the ambient environment.
This is for reference.

AC Specification (Built-in Full-wave Rectifier Type)

Class B

Model	Apparent power (VA) Note 1) 2)	Temperature rise (°C) Note 3)
VXD23 to 25	7	60
VXD26, 27	9.5	70
VXD28, 29	12	70

Class H

Model	Apparent power (VA) Note 1) 2)	Temperature rise (°C) Note 3)
VXD23 to 25	9	100
VXD26, 27	12	100
VXD28, 29	15	100

AC Specification (Built-in Full-wave Rectifier Type)

Class B

Model	Apparent power (VA)	Temperature rise (°C)
VXD2A to 2C	9	60
VXD2D, 2E	10	70
VXD2F, 2G	14	70

Class H

Model	Apparent power (VA) Note 1) 2)	Temperature rise (°C) Note 3)
VXD2A to 2C	9	100
VXD2D, 2E	12	100
VXD2F, 2G	15	100

Note 1) Apparent power: The value at ambient temperature of 20°C and when the rated voltage is applied. (Variation: ±10%)
Note 2) There is no difference in the frequency and the inrush and energized apparent power, since a rectifying circuit is used in the AC.
Note 3) The value at ambient temperature of 20°C and when the rated voltage is applied. The value depends on the ambient environment.
This is for reference.

Selection Steps

Selection Steps

Step 1 **Select the fluid.**

Item	Selection item	Page	Symbol
Select the fluid.	Air	Page 118	0
	Water	Page 121	2
	Oil	Page 124	3 ❶
	Heated water	Page 127	5
	High temperature oil	Page 130	6

VXD2 3 0 A A
❶

Step 2 **Select "Body material", "Port size" and "Orifice diameter" from "Flow rate — Pressure" of each fluid.**

Item	Selection item		Symbol
Select from "Flow rate — Pressure." • Body material • Port size • Orifice diameter	Size	8A	3 ❷
	Valve type	N.C.	
	Body material	Aluminum	A ❸
	Port size	1/4	
	Orifice diameter	10	

VXD2 3 0 A A
❷ ❸

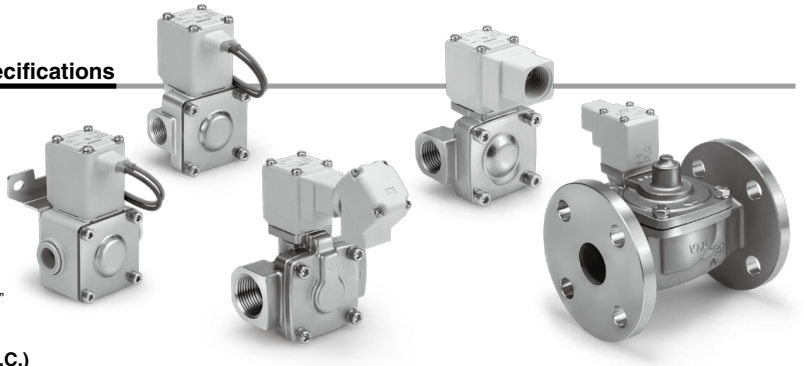
Step 3 **Select electrical specification.**

Item	Selection item		Symbol
Select electrical specification.	Voltage	24 VDC	A ❹
	Electrical entry	Grommet	

VXD2 3 0 A A
❹

Step 4 **For other special options, refer to page 133.**

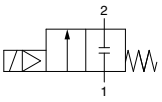
For Air



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 (mmø)	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	C	b	Cv	Effective area (mm^2)		
Aluminum	1/4 (8A)	10	**VXD230**	0.02	0.9	0.7	8.5	0.35	2.0	—	1.5	370
	3/8 (10A)						9.2		2.4			370
	1/2 (15A)						9.2		2.4			370
Resin	ø10						5.6	0.33	1.3			330
	ø3/8"						4.8	0.33	0.9			330
	ø12						7.2	0.33	1.5			330
Stainless steel, C37	3/8 (10A)	15	**VXD240**		1.0	1.0	18.0	0.35	5.0			720
	1/2 (15A)						20.0		5.5			720
	3/4 (20A)	20	**VXD250**				38.0	0.30	9.5			840
	1 (25A)	25	**VXD260**				—			225		1360
CAC408	32A Flange	35	**VXD270**	0.03						415		5400
	40A Flange	40	**VXD280**							560		6800
	50A Flange	50	**VXD290**							880		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)
–10 Note) to 60	–20 to 60

Note) Dew point temperature: –10°C or less

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Air) Note 1)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
NBR (FKM) Note 2)	15 cm^3/min or less (Aluminum body type)	10 cm^3/min or less
	15 cm^3/min or less (Resin body type)	
	2 cm^3/min or less (Metal body type)	

External Leakage

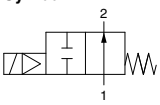
Seal material	Leakage rate (Air) Note 1)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
NBR (FKM) Note 2)	15 cm^3/min or less (Aluminum body type)	1 cm^3/min or less
	15 cm^3/min or less (Resin body type)	
	1 cm^3/min or less (Metal body type)	

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.

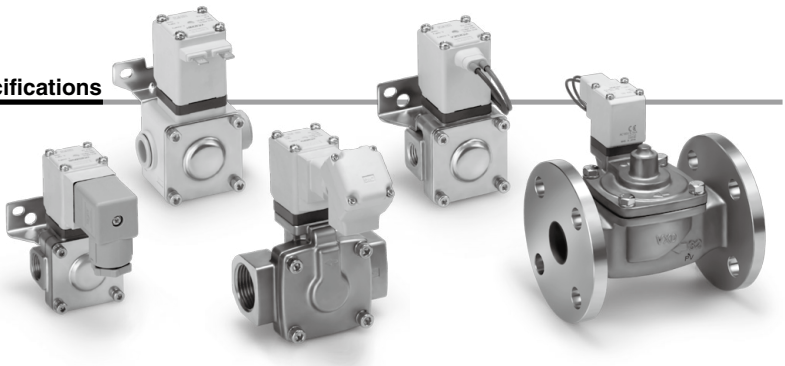
Model/Valve Specifications

N.O.

Symbol



Refer to “Glossary of Terms” on page 156 for symbol.



Normally Open (N.O.)

Body material	Port size	Orifice diameter (mmø)	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	C	b	Cv	Effective area (mm²)		
Aluminum	1/4 (8A)	10	**VXD2A0**	0.02	0.6	0.4	8.5	0.35	2.0	—	1.5	390
	3/8 (10A)						9.2		2.4			390
	1/2 (15A)						9.2		2.4			390
Resin	ø10						5.6	0.33	1.3			350
	ø3/8"						4.8		0.9			350
	ø12						7.2		1.5			350
Stainless steel, C37	3/8 (10A)	15	**VXD2B0**		0.7	0.7	18.0	0.35	5.0			740
	1/2 (15A)						20.0		5.5			740
	3/4 (20A)	20	**VXD2C0**				38.0	0.30	9.5			860
	1 (25A)	25	**VXD2D0**				—			225		1390
CAC408	32A Flange	35	**VXD2E0**	0.03						415		5430
	40A Flange	40	**VXD2F0**							560		6840
	50A Flange	50	**VXD2G0**							880		8440

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)
–10 Note) to 60	–20 to 60

Note) Dew point temperature: –10°C or less

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Air) Note 1)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
NBR (FKM) Note 2)	15 cm³/min or less (Aluminum body type)	10 cm³/min or less
	15 cm³/min or less (Resin body type)	
	2 cm³/min or less (Metal body type)	

External Leakage

Seal material	Leakage rate (Air) Note 1)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
NBR (FKM) Note 2)	15 cm³/min or less (Aluminum body type)	1 cm³/min or less
	15 cm³/min or less (Resin body type)	
	1 cm³/min or less (Metal body type)	

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.

How to Order

VXD2 3 0 A A

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.

Fluid

0	For Air

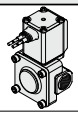
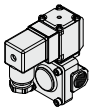
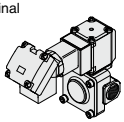
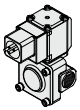
Size—Valve type

Symbol	Size	Valve type
3	8A	N.C.
A	10A 15A	N.O.
4	10A	N.C.
B	15A	N.O.
5	20A	N.C.
C		N.O.
6	25A	N.C.
D		N.O.
7	32A	N.C.
E		N.O.
8	40A	N.C.
F		N.O.
9	50A	N.C.
G		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	Resin	ø10 One-touch fitting	
E		ø3/8" One-touch fitting	
F		ø12 One-touch fitting	
G	C37	3/8	15
H		1/2	
J	Stainless steel	3/8	
K		1/2	
L	C37	3/4	20
M	Stainless steel		
N	C37	1	25
P	Stainless steel		
Q	CAC408	32A Flange	35
R	CAC408	40A Flange	40
S	CAC408	50A Flange	50

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	
G	24 VDC	DIN terminal (With surge voltage suppressor) 
H	100 VAC	
J	110 VAC	
K	200 VAC	
L	230 VAC	
M	24 VDC	Conduit terminal (With surge voltage suppressor) 
N	100 VAC	
P	110 VAC	
Q	200 VAC	
R	230 VAC	
S	24 VDC	Conduit (With surge voltage suppressor) 
T	100 VAC	
U	110 VAC	
V	200 VAC	
W	230 VAC	
Y	24 VDC	Flat terminal 
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)

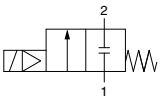
For Water

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

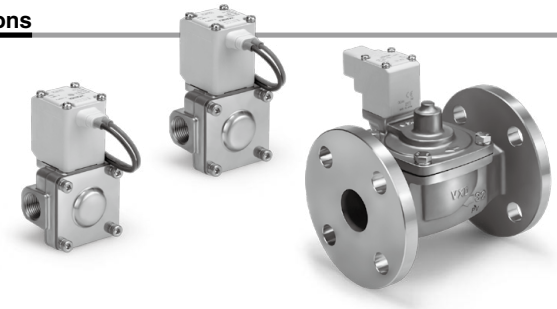
Model/Valve Specifications

N.C.

Symbol



Refer to “Glossary of Terms” on page 156 for symbol.



Normally Closed (N.C.)

Body material	Port size	Orifice diameter (mmø)	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**		1.0	1.0	3.9	4.5		720
	1/2 (15A)						4.6	5.5		720
	3/4 (20A)	20	**VXD252**				8.2	9.5		840
	1 (25A)	25	**VXD262**				11.0	13		1360
CAC408	32A Flange	35	**VXD272**	0.03			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

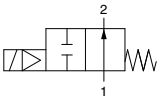
Seal material	Leakage rate (Water) Note 1)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
NBR (FKM) Note 2)	0.1 cm^3/min or less	0.1 cm^3/min or less

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.

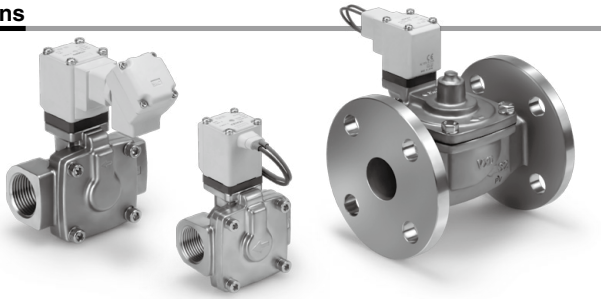
Model/Valve Specifications

N.O.

Symbol



Refer to “Glossary of Terms” on page 156 for symbol.



Normally Open (N.O.)

Body material	Port size	Orifice diameter (mmø)	Model	Min. operating pressure differential Note 1, 3) (MPa)	Max. operating pressure differential Note 3) AC	Max. operating pressure differential Note 3) DC	Flow rate characteristics Kv	Flow rate characteristics Conversion Cv	Max. system pressure Note 3) (MPa)	Weight Note 2) (g)
Stainless steel, C37	1/4 (8A)	10	**VXD2A2**	0.02	0.4	0.3	1.6	1.9	1.5	500
	3/8 (10A)						2.0	2.4		500
	1/2 (15A)						2.0	2.4		500
	3/8 (10A)	15	**VXD2B2**		0.7	0.7	3.9	4.5		740
	1/2 (15A)						4.6	5.5		740
	3/4 (20A)	20	**VXD2C2**				8.2	9.5		860
	1 (25A)	25	**VXD2D2**				11.0	13		1390
CAC408	32A Flange	35	**VXD2E2**	0.03			19.6	23		5430
	40A Flange	40	**VXD2F2**				26.4	31		6840
	50A Flange	50	**VXD2G2**				42.8	49		8440

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)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (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)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (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.

How to Order

VXD2 3 2 A A

Fluid

2	For Water

Common Specifications

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

* For body size 32A or more, the ports will be the flange type.

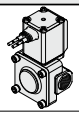
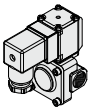
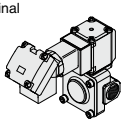
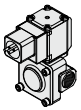
Size—Valve type

Symbol	Size	Valve type
3	8A	N.C.
A	10A 15A	N.O.
4	10A	N.C.
B	15A	N.O.
5	20A	N.C.
C		N.O.
6	25A	N.C.
D		N.O.
7	32A	N.C.
E		N.O.
8	40A	N.C.
F		N.O.
9	50A	N.C.
G		N.O.

Body material/Port size/Orifice diameter

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

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	
G	24 VDC	DIN terminal (With surge voltage suppressor) 
H	100 VAC	
J	110 VAC	
K	200 VAC	
L	230 VAC	
M	24 VDC	Conduit terminal (With surge voltage suppressor) 
N	100 VAC	
P	110 VAC	
Q	200 VAC	
R	230 VAC	
S	24 VDC	Conduit (With surge voltage suppressor) 
T	100 VAC	
U	110 VAC	
V	200 VAC	
W	230 VAC	
Y	24 VDC	Flat terminal 
Z	Other voltages and electrical option	

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	
Applicable to deionized water (Seal material: FKM)	
Seal material: EPDM	
Oil-free	
G thread	
NPT thread	
With bracket	
Special electrical entry direction	

Dimensions → Page on and after 140 (Single Unit)

For Oil

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

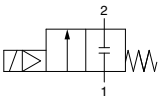
⚠When the fluid is oil.

The kinematic viscosity must not exceed 50 mm²/s. The special construction of the armature adopted in the built-in full-wave rectifier type gives an improvement in OFF response by providing clearance on the absorbed surface when it is switched ON.

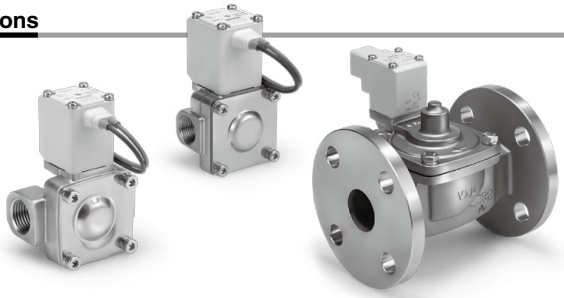
Model/Valve Specifications

N.C.

Symbol



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



Normally Closed (N.C.)

Body material	Port size	Orifice diameter (mmø)	Model	Min. operating pressure differential Note 1, 3) (MPa)	Max. operating pressure differential Note 3) AC	Max. operating pressure differential Note 3) DC	Flow rate characteristics Kv	Flow rate characteristics Conversion Cv	Max. system pressure Note 3) (MPa)	Weight Note 2) (g)
Stainless steel, C37	1/4 (8A)	10	**VXD233**	0.02	0.5	0.4	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	**VXD243**		0.7	0.7	3.9	4.5		720
	1/2 (15A)						4.6	5.5		720
	3/4 (20A)	20	**VXD253**				8.2	9.5		840
	1 (25A)	25	**VXD263**				11.0	13		1360
CAC408	32A Flange	35	**VXD273**	0.03			19.6	23		5400
	40A Flange	40	**VXD283**				26.4	31		6800
	50A Flange	50	**VXD293**				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)
–5 Note) to 60	–20 to 60

Note) Kinematic viscosity: 50 mm²/s or less

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
FKM	0.2 cm³/min or less	1 cm³/min or less

External Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
FKM	0.1 cm³/min or less	0.1 cm³/min or less

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

For Oil

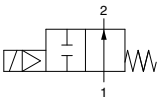
⚠When the fluid is oil.

The kinematic viscosity must not exceed 50 mm²/s. The special construction of the armature adopted in the built-in full-wave rectifier type gives an improvement in OFF response by providing clearance on the absorbed surface when it is switched ON.

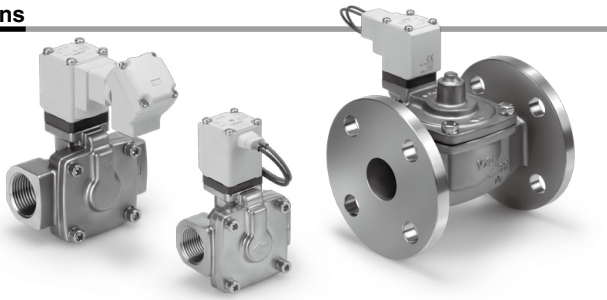
Model/Valve Specifications

N.O.

Symbol



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



Normally Open (N.O.)

Body material	Port size	Orifice diameter (mmø)	Model	Min. operating pressure differential Note 1, 3) (MPa)	Max. operating pressure differential Note 3) AC	Max. operating pressure differential Note 3) DC	Flow rate characteristics Kv	Flow rate characteristics Conversion Cv	Max. system pressure Note 3) (MPa)	Weight Note 2) (g)
Stainless steel, C37	1/4 (8A)	10	**VXD2A3**	0.02	0.4	0.3	1.6	1.9	1.5	500
	3/8 (10A)						2.0	2.4		500
	1/2 (15A)						2.0	2.4		500
	3/8 (10A)	15	**VXD2B3**		0.6	0.6	3.9	4.5		740
	1/2 (15A)						4.6	5.5		740
	3/4 (20A)	20	**VXD2C3**				8.2	9.5		860
	1 (25A)	25	**VXD2D3**				11.0	13		1390
CAC408	32A Flange	35	**VXD2E3**	0.03			19.6	23		5430
	40A Flange	40	**VXD2F3**				26.4	31		6840
	50A Flange	50	**VXD2G3**				42.8	49		8440

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)
–5 Note) to 60	–20 to 60

Note) Kinematic viscosity: 50 mm²/s or less

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
FKM	0.2 cm³/min or less	1 cm³/min or less

External Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
FKM	0.1 cm³/min or less	0.1 cm³/min or less

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

How to Order

CE RoHS

VXD2 3 3 A A

Fluid

3	For Oil

Common Specifications

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

* For body size 32A or more, the ports will be the flange type.

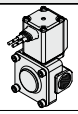
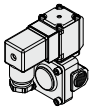
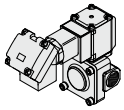
Size—Valve type

Symbol	Size	Valve type
3	8A 10A 15A	N.C.
A		N.O.
4	10A 15A	N.C.
B		N.O.
5	20A	N.C.
C		N.O.
6	25A	N.C.
D		N.O.
7	32A	N.C.
E		N.O.
8	40A	N.C.
F		N.O.
9	50A	N.C.
G		N.O.

Body material/Port size/Orifice diameter

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

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	
G	24 VDC	DIN terminal (With surge voltage suppressor) 
H	100 VAC	
J	110 VAC	
K	200 VAC	
L	230 VAC	
M	24 VDC	Conduit terminal (With surge voltage suppressor) 
N	100 VAC	
P	110 VAC	
Q	200 VAC	
R	230 VAC	
S	24 VDC	Conduit (With surge voltage suppressor) 
T	100 VAC	
U	110 VAC	
V	200 VAC	
W	230 VAC	
Y	24 VDC	Flat terminal 
Z	Other voltages and electrical option	

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	
Oil-free	
G thread	
NPT thread	
With bracket	
Special electrical entry direction	

Dimensions → Page on and after 140 (Single Unit)

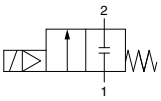
For Heated water

* Possible to use this for air (up to 99°C) and water.
  Note that the maximum operating pressure differential and flow rate characteristics should be within the specifications of the fluid used.

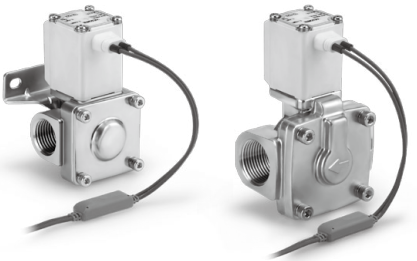
Model/Valve Specifications

N.C.

Symbol



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



Normally Closed (N.C.)

Body material	Port size	Orifice diameter (mmø)	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	**VXD235**	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	**VXD245**		1.0	1.0	3.9	4.5		720
	1/2 (15A)						4.6	5.5		720
	3/4 (20A)	20	**VXD255**				8.2	9.5		840
	1 (25A)	25	**VXD265**				11.0	13		1360
CAC408	32A Flange	35	**VXD275**	0.03			19.6	23		5400
	40A Flange	40	**VXD285**				26.4	31		6800
	50A Flange	50	**VXD295**				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, 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 99	–20 to 60

Note) No freezing

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Water) Note)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
EPDM	0.2 cm^3/min or less	1 cm^3/min or less

External Leakage

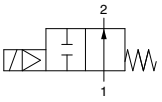
Seal material	Leakage rate (Water) Note)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
EPDM	0.1 cm^3/min or less	0.1 cm^3/min or less

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

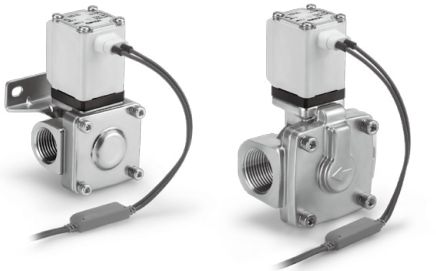
Model/Valve Specifications

N.O.

Symbol



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



Normally Open (N.O.)

Body material	Port size	Orifice diameter (mmø)	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	**VXD2A5**	0.02	0.4	0.3	1.6	1.9	1.5	500
	3/8 (10A)						2.0	2.4		500
	1/2 (15A)						2.0	2.4		500
	3/8 (10A)	15	**VXD2B5**		0.7	0.7	3.9	4.5		740
	1/2 (15A)						4.6	5.5		740
	3/4 (20A)	20	**VXD2C5**				8.2	9.5		860
	1 (25A)	25	**VXD2D5**				11.0	13		1390
CAC408	32A Flange	35	**VXD2E5**	0.03			19.6	23		5430
	40A Flange	40	**VXD2F5**				26.4	31		6840
	50A Flange	50	**VXD2G5**				42.8	49		8440

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, 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 99	–20 to 60

Note) No freezing

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Water) Note)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
EPDM	0.2 cm^3/min or less	1 cm^3/min or less

External Leakage

Seal material	Leakage rate (Water) Note)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
EPDM	0.1 cm^3/min or less	0.1 cm^3/min or less

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

How to Order

VXD2 [3] [5] [A] [B]

Fluid

5	For Heated water

Common Specifications

Seal material	EPDM
Coil insulation type	Class H
Thread type	Rc*

* For body size 32A or more, the ports will be the flange type.

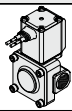
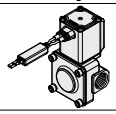
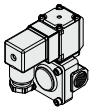
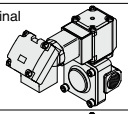
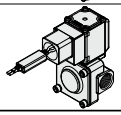
Size—Valve type

Symbol	Size	Valve type
3	8A 10A 15A	N.C.
A		N.O.
4	10A 15A	N.C.
B		N.O.
5	20A	N.C.
C		N.O.
6	25A	N.C.
D		N.O.
7	32A	N.C.
E		N.O.
8	40A	N.C.
F		N.O.
9	50A	N.C.
G		N.O.

Body material/Port size/Orifice diameter

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

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	
G	24 VDC	DIN terminal (With surge voltage suppressor Note) 
H	100 VAC	
J	110 VAC	
K	200 VAC	
L	230 VAC	
N	100 VAC	Conduit terminal (With surge voltage suppressor) 
P	110 VAC	
Q	200 VAC	
R	230 VAC	
T	100 VAC	Conduit (With surge voltage suppressor) 
U	110 VAC	
V	200 VAC	
W	230 VAC	
Z	Other voltages	

Note) For the class H type DIN terminal, use it in combination with the connector provided.

For other special options, refer to page 133.

Special voltage	24 VAC
	48 VAC
	220 VAC
	240 VAC
Conduit terminal with light	
Oil-free	
G thread	
NPT thread	
With bracket	
Special electrical entry direction	

Dimensions → Page on and after 148 (Single Unit)

For High temperature oil

* Possible to use this for air (up to 99°C) and water.
  Note that the maximum operating pressure differential and flow rate characteristics should be within the specifications of the fluid used.

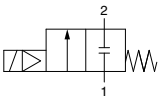
⚠When the fluid is oil.

The kinematic viscosity must not exceed 50 mm²/s. The special construction of the armature adopted in the built-in full-wave rectifier type gives an improvement in OFF response by providing clearance on the absorbed surface when it is switched ON.

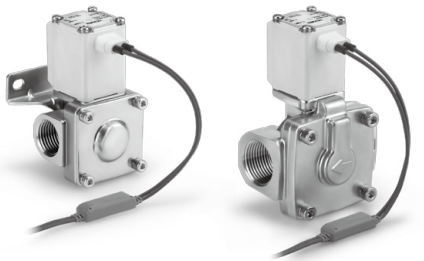
Model/Valve Specifications

N.C.

Symbol



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



Normally Closed (N.C.)

Body material	Port size	Orifice diameter (mmø)	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	**VXD236**	0.02	0.5	0.4	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	**VXD246**		0.7	0.7	3.9	4.5		720
	1/2 (15A)						4.6	5.5		720
	3/4 (20A)	20	**VXD256**				8.2	9.5		840
	1 (25A)	25	**VXD266**				11.0	13		1360
CAC408	32A Flange	35	**VXD276**	0.03			19.6	23		5400
	40A Flange	40	**VXD286**				26.4	31		6800
	50A Flange	50	**VXD296**				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, 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)
–5 Note) to 100	–20 to 60

Note) Kinematic viscosity: 50 mm²/s or less

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
FKM	0.2 cm³/min or less	1 cm³/min or less

External Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD23 to 26 (8A to 25A)	**VXD27 to 29** (32A to 50A)
FKM	0.1 cm³/min or less	0.1 cm³/min or less

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

For High temperature oil

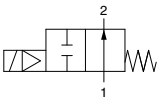
⚠When the fluid is oil.

The kinematic viscosity must not exceed 50 mm²/s. The special construction of the armature adopted in the built-in full-wave rectifier type gives an improvement in OFF response by providing clearance on the absorbed surface when it is switched ON.

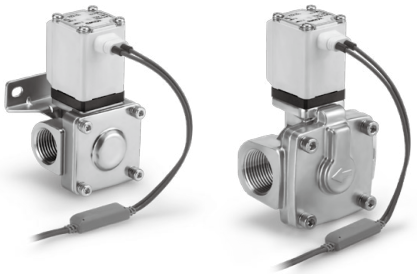
Model/Valve Specifications

N.O.

Symbol



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



Normally Open (N.O.)

Body material	Port size	Orifice diameter (mmø)	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	**VXD2A6**	0.02	0.4	0.3	1.6	1.9	1.5	500
	3/8 (10A)						2.0	2.4		500
	1/2 (15A)						2.0	2.4		500
	3/8 (10A)	15	**VXD2B6**		0.6	0.6	3.9	4.5		740
	1/2 (15A)						4.6	5.5		740
	3/4 (20A)	20	**VXD2C6**				8.2	9.5		860
	1 (25A)	25	**VXD2D6**				11.0	13		1390
CAC408	32A Flange	35	**VXD2E6**	0.03			19.6	23		5430
	40A Flange	40	**VXD2F6**				26.4	31		6840
	50A Flange	50	**VXD2G6**				42.8	49		8440

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, 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)
–5 Note) to 100	–20 to 60

Note) Kinematic viscosity: 50 mm²/s or less

Valve Leakage Rate

Internal Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
FKM	0.2 cm³/min or less	1 cm³/min or less

External Leakage

Seal material	Leakage rate (Oil) Note)	
	VXD2A to 2D (8A to 25A)	**VXD2E to 2G** (32A to 50A)
FKM	0.1 cm³/min or less	0.1 cm³/min or less

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

How to Order

VXD2 [3] [6] [A] [B]

Fluid

6	For High temperature oil

Common Specifications

Seal material	FKM
Coil insulation type	Class H
Thread type	Rc*

* For body size 32A or more, the ports will be the flange type.

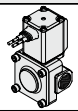
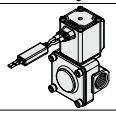
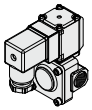
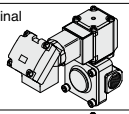
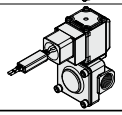
Size—Valve type

Symbol	Size	Valve type
3	8A 10A 15A	N.C.
A		N.O.
4	10A 15A	N.C.
B		N.O.
5	20A	N.C.
C		N.O.
6	25A	N.C.
D		N.O.
7	32A	N.C.
E		N.O.
8	40A	N.C.
F		N.O.
9	50A	N.C.
G		N.O.

Body material/Port size/Orifice diameter

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

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	
G	24 VDC	DIN terminal (With surge voltage suppressor Note) 
H	100 VAC	
J	110 VAC	
K	200 VAC	
L	230 VAC	
N	100 VAC	Conduit terminal (With surge voltage suppressor) 
P	110 VAC	
Q	200 VAC	
R	230 VAC	
T	100 VAC	Conduit (With surge voltage suppressor) 
U	110 VAC	
V	200 VAC	
W	230 VAC	
Z	Other voltages	

Note) For the class H type DIN terminal, use it in combination with the connector provided.

For other special options, refer to page 133.

Special voltage	24 VAC
	48 VAC
	220 VAC
	240 VAC
Conduit terminal with light	
Oil-free	
G thread	
NPT thread	
With bracket	
Special electrical entry direction	

Dimensions → Page on and after 148 (Single Unit)

Other Special Options

Electrical Options
(Special voltage, With light, Without DIN connector)

VXD2 3 0 A Z 1A

- **3 0 A**: Enter standard product number.
- **1A**: Electrical option

Electrical specification/Voltage/Electrical entry

Specification	Symbol	Class H*	Voltage	Electrical entry
Special voltage	1A	●	48 VAC	Grommet (With surge voltage suppressor)
	1B	●	220 VAC	
	1C	●	240 VAC	
	1U	●	24 VAC	
	1D	—	12 VDC	Grommet
	1E	—	12 VDC	Grommet (With surge voltage suppressor)
	1F	●	48 VAC	DIN terminal (With surge voltage suppressor)
	1G	●	220 VAC	
	1H	●	240 VAC	
	1V	●	24 VAC	
	1J	—	12 VDC	
	1K	●	48 VAC	Conduit terminal (With surge voltage suppressor)
	1L	●	220 VAC	
	1M	●	240 VAC	
	1W	●	24 VAC	
	1N	—	12 VDC	
	1P	●	48 VAC	Conduit (With surge voltage suppressor)
	1Q	●	220 VAC	
	1R	●	240 VAC	
	1Y	●	24 VAC	
	1S	—	12 VDC	
	1T	—	12 VDC	Flat terminal
With light	2A	●	24 VDC	DIN terminal (With surge voltage suppressor)
	2B	●	100 VAC	
	2C	●	110 VAC	
	2D	●	200 VAC	
	2E	●	230 VAC	
	2F	●	48 VAC	
	2G	●	220 VAC	
	2H	●	240 VAC	
	2V	●	24 VAC	
	2J	—	12 VDC	
	2K	—	24 VDC	Conduit terminal (With surge voltage suppressor)
	2L	●	100 VAC	
	2M	●	110 VAC	
	2N	●	200 VAC	
	2P	●	230 VAC	
	2Q	●	48 VAC	
	2R	●	220 VAC	
	2S	●	240 VAC	
	2W	●	24 VAC	
	2T	—	12 VDC	
Without DIN connector	3A	—	24 VDC	DIN terminal (With surge voltage suppressor)
	3B	—	100 VAC	
	3C	—	110 VAC	
	3D	—	200 VAC	
	3E	—	230 VAC	
	3F	—	48 VAC	
	3G	—	220 VAC	
	3H	—	240 VAC	
	3V	—	24 VAC	
	3J	—	12 VDC	

∗ Options marked with ● are available for Class "H" coil. Applicable for all when the coil insulation class is Class "B".

Other Options
(Low concentration ozone resistant and applicable to deionized water, Oil-free, Port thread)

VXD2 3 0 A A Z

- **3 0**: Enter standard product number.
- **A Z**: Other option (Low concentration ozone resistant and applicable to deionized water/Oil-free/Port thread)

Symbol	Low concentration ozone resistant and applicable to deionized water *1, *4 (Seal material: FKM)	Oil-free	Port thread*3
Nil	—	—	Rc, With One-touch fitting*2
A	—	—	G*5
B			NPT
C	○	—	Rc, With One-touch fitting*2
D	—	○	G*5
E			NPT
F	○	—	G*5
G			NPT
H	○	○	Rc, With One-touch fitting*2
K			G*5
L			NPT
Z	—	○	Rc, With One-touch fitting*2

∗1 Applicable to air (VXD2□0) and water (VXD2□2).
∗2 One-touch fittings are attached to the resin body type.
∗3 Only flange type is available for 32A to 50A. Rc, G, and NPT cannot be selected.
∗4 When using deionized water or any other fluid that may corrode C37 (brass), select a stainless steel body.
∗5 For connection, prepare a fitting compliant with ISO 16030 and JIS B 8674.

Made to Order

<Special lead wire length>

Produced upon receipt of order. Please contact SMC for lead times.

VXD □□□□ XL□

- **XL□**: Lead wire length

XL1	600 mm
XL2	1000 mm
XL3	1500 mm
XL4	3000 mm

∗ Enter symbols in the order below when ordering a combination of electrical option, other option, etc.

Example) VXD2 3 2 A Z 1A Z

- **1A**: Electrical option
- **Z**: Other option

Installation Options
(Special Electrical Entry Direction/Mounting Option)

The following shows combinations that can be selected using installation options.

Combinations

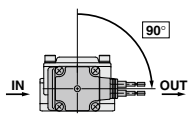
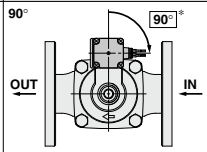
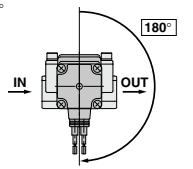
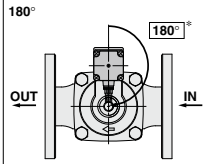
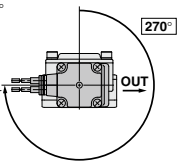
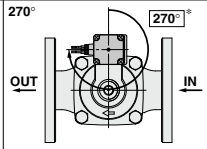
Symbol	Special electrical entry direction	With bracket	Seal material: EPDM
XC□	●		●
XB□	●	●	
X332□	●	●	●

Special Electrical Entry Direction

VXD2□□□□XC A

Enter standard product number.

Special electrical entry direction

Symbol	VXD2$\frac{3}{A}$ to VXD2$\frac{6}{D}$	VXD2$\frac{7}{E}$ to VXD2$\frac{9}{G}$
A		
B		
C		

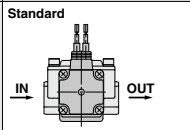
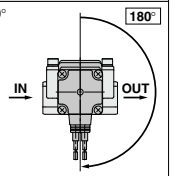
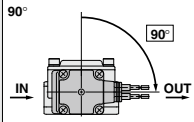
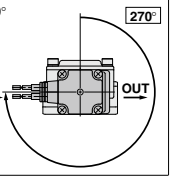
∗ For the VXD2$\frac{7}{E}$ to VXD2$\frac{9}{G}$, only grommet and flat terminal types are applicable.

With Bracket/Special Electrical Entry Direction

VXD2□□□□XB A

Enter standard product number.

With bracket/Special electrical entry direction

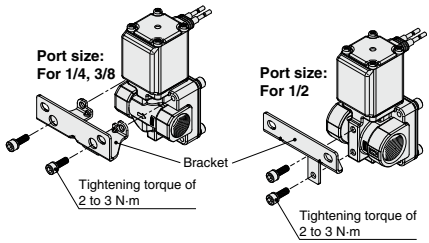
Symbol	VXD2$\frac{3}{A}$ to VXD2$\frac{6}{D}$		
Nil	Standard 	B	180° 180° 
A	90° 90° 	C	270° 270° 

∗1 Available for the VXD2$\frac{3}{A}$ to 2$\frac{6}{D}$.

∗2 Bracket is attached as standard with the resin body type (VXD2$\frac{3}{A}$0$\frac{D}{F}$□), so it is no necessary to add XB to the part number.

∗3 The bracket for aluminum, C37 and stainless steel body type of the VXD23 is shipped together with the product, but not assembled. (Refer to the figure below for mounting.)

VXD2$\frac{3}{A}$□ Bracket mounting dimensions



∗ Enter symbols in the order below when ordering a combination of electrical option, other option, etc.

Example) **VXD2 3 2 A Z 1A Z XB A**

- 1A: Electrical option
- Z: Other option
- XB: With bracket
- A: Special electrical entry direction

Installation Options
(Special Electrical Entry Direction/Mounting Option)

Seal Material: EPDM/With Bracket/
Special Electrical Entry Direction

VXD2 □ 02 □□ X332 □

Enter standard product number.

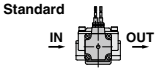
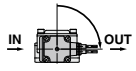
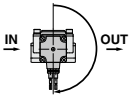
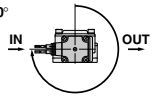
EPDM specification

With bracket/Special electrical entry direction

Symbol	Specifications	
	Electrical entry direction	Bracket
Nil	Standard	None
A	90°	
B	180°	
C	270°	
D	Standard	With bracket*1
E	90°	
F	180°	
G	270°	

*1 Not available for the VXD2$^{3}_{A}$ (resin body type) and the VXD2$^{7}_{E}$ to VXD2$^{9}_{G}$.
*2 "Other options" (refer to page 20), which can be combined, are Nil, A, B, D, E, Z (Oil-free, G thread specifications, NPT thread specifications).
*3 Available for air and water.

Electrical entry direction

Symbol	VXD2$^{3}_{A}$ to VXD2$^{6}_{D}$	Symbol	VXD2$^{3}_{A}$ to VXD2$^{6}_{D}$
Nil · D	**Standard** 	**A · E**	**90°** 
B · F	**180°** 	**C · G**	**270°** 

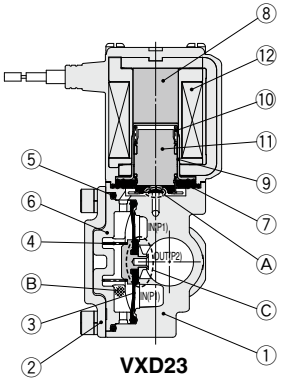
* Enter symbols in the order below when ordering a combination of electrical option, other option, seal material: EPDM, with bracket, mounting holes on the bottom side of the body and special electrical entry direction.

Example) **VXD2 3 2 A Z 1A Z X332 A**

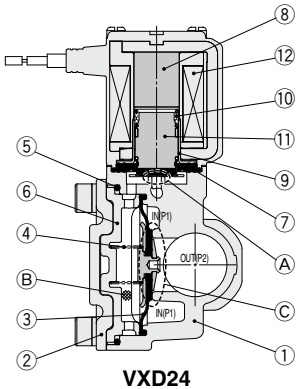
- **Electrical option**
- **Other option**
- **Seal material: EPDM/ With bracket/ Special electrical entry direction**

VXD Series
Construction

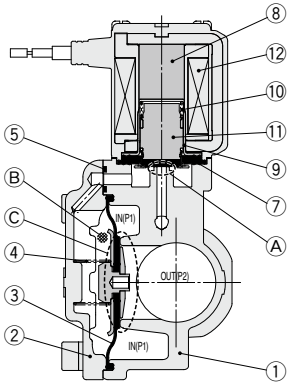
Normally Closed (N.C.)



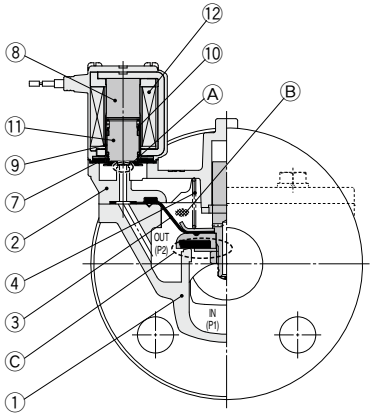
VXD23



VXD24



VXD25, 26



VXD27, 28, 29

Component Parts

No.	Description	Model	Material
1	**Body**	VXD23	C37, Stainless steel, Aluminum, Resin (PBT)
		VXD24 to 26	C37, Stainless steel
		VXD27 to 29	CAC408
2	**Bonnet**	VXD23, 24	Stainless steel
		VXD25, 26	C37, Stainless steel
		VXD27 to 29	CAC408
3	**Diaphragm assembly**	VXD23 to 29	Stainless steel, NBR, FKM, EPDM
4	**Spring**	VXD23 to 29	Stainless steel
5	**O-ring**	VXD23 to 26	NBR, FKM, EPDM
6	**Buffer**	VXD23, 24	PPS
7	**Stopper**	VXD23 to 29	NBR, FKM, EPDM
8	**Core**		Fe
9	**Tube**		Stainless steel
10	**Spring**		Stainless steel
11	**Armature assembly**		Stainless steel, NBR, FKM, EPDM, Resin (PPS)
12	**Solenoid coil**		Cu + Fe + Resin

Operation

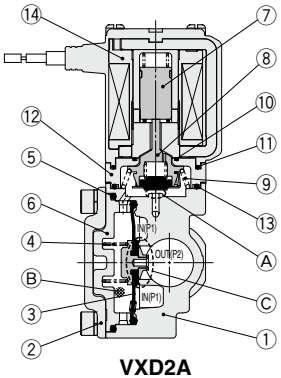
<Valve open>

When coil ⑫ is energized, armature assembly ⑪ is attracted by core ⑧ and pilot valve Ⓐ is open.
When Ⓐ is open, the pressure in pressure chamber Ⓑ is reduced and main valve Ⓒ is open.

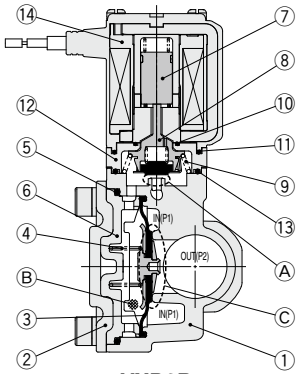
<Valve closed>

When coil ⑫ is de-energized, pilot valve Ⓐ is closed, pressure in pressure chamber Ⓑ increases, and main valve Ⓒ is closed.

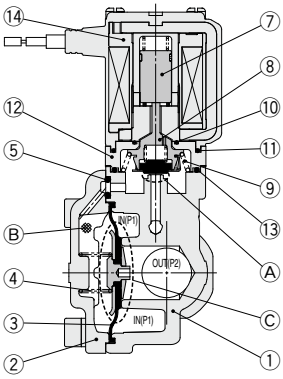
Normally Open (N.O.)



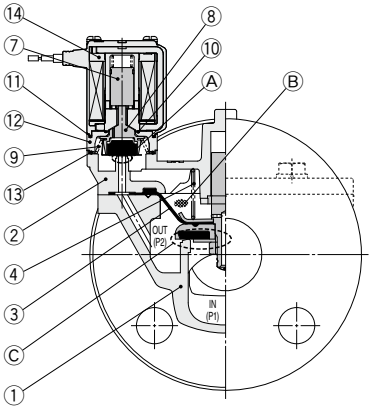
VXD2A



VXD2B



VXD2C, 2D



VXD2E, 2F, 2G

Component Parts

No.	Description	Model	Material
1	**Body**	VXD2A	C37, Stainless steel, Aluminum, Resin (PBT)
		VXD2B to 2D	C37, Stainless steel
		VXD2E to 2G	CAC408
2	**Bonnet**	VXD2A, 2B	Stainless steel
		VXD2C, 2D	C37, Stainless steel
		VXD2E to 2G	CAC408
3	**Diaphragm assembly**	VXD2A to 2G	Stainless steel, NBR, FKM, EPDM
4	**Spring**	VXD2A to 2G	Stainless steel
5	**O-ring**	VXD2A to 2D	NBR, FKM, EPDM
6	**Buffer**	VXD2A, 2B	PPS
7	**Sleeve assembly**	VXD2A to 2G	Stainless steel, Resin (PPS)
8	**Push rod assembly**		Resin (PPS), Stainless steel, NBR, FKM, EPDM
9	**Stopper**		Stainless steel
10	**O-ring A**		NBR, FKM, EPDM
11	**O-ring B**		NBR, FKM, EPDM
12	**Adapter**		Resin (PPS)
13	**O-ring C**		NBR, FKM, EPDM
14	**Solenoid coil**		Cu + Fe + Resin

Operation

<Valve closed>

When coil ⑭ is energized, (already open) pilot valve Ⓐ is closed, pressure in pressure chamber Ⓑ increases, and main valve Ⓒ is closed.

<Valve open>

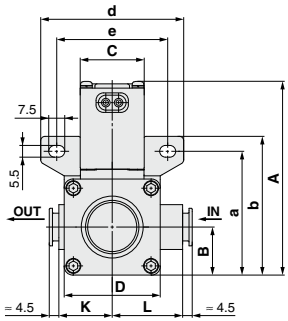
When coil ⑭ is de-energized, (already closed) pilot valve Ⓐ is open, pressure in pressure chamber Ⓑ decreases, and main valve Ⓒ is open.

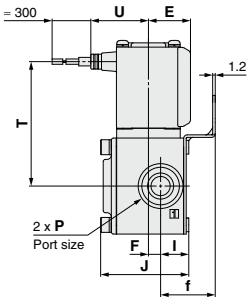
For Air

For information on handling One-touch fittings and on appropriate tubing, refer to page 167 and the Fittings & Tubing section of the "Handling Precautions for SMC Products" on the SMC website.

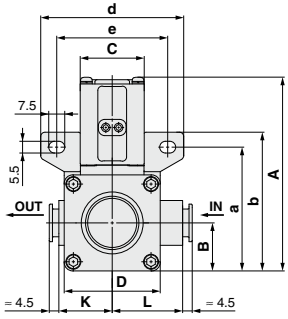
Dimensions/VXD2$^{3}_{A}$ Body Material: Resin (ø10, ø3/8", ø12)

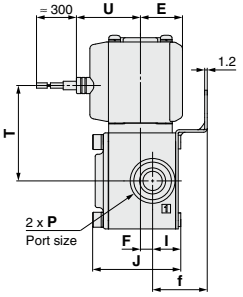
Grommet



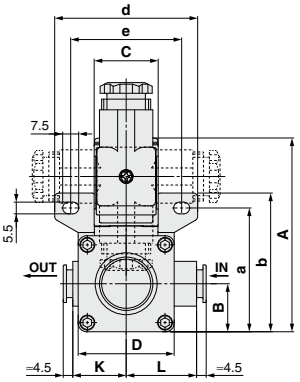


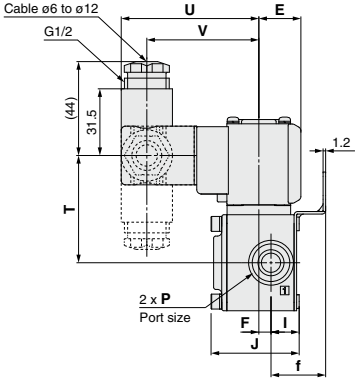
Grommet (with surge voltage suppressor)





DIN terminal





(mm)

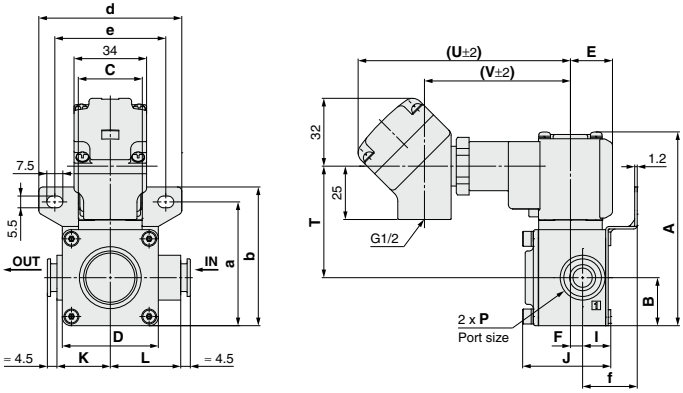
Model	One-touch fitting P	A	B	C	D	E	F	I	J	K	L	Electrical entry						
												Grommet		Grommet (with surge voltage suppressor)		DIN terminal		
												T	U	T	U	T	U	V
VXD2$^{3}_{A}$	ø10, ø3/8", ø12	91 (97)	22.5	30	45	20	6	13.5	41.5	25	33	58.5 (64.5)	27	45 (50.5)	30	50.5 (56)	64.5	52.5

Model	One-touch fitting P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{3}_{A}$	ø10, ø3/8", ø12	58	65	67	52	25.5

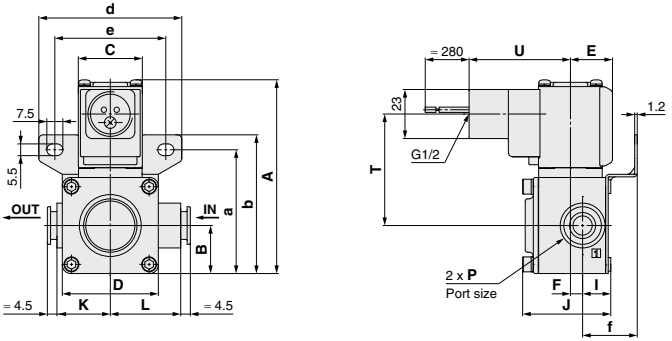
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{3}_{A}$ Body Material: Resin (ø10, ø3/8", ø12)

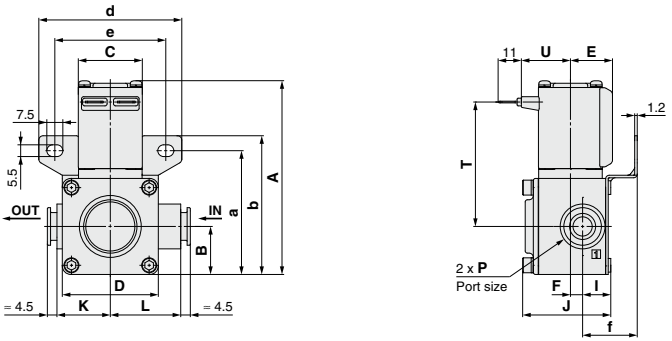
Conduit terminal



Conduit



Flat terminal



(mm)

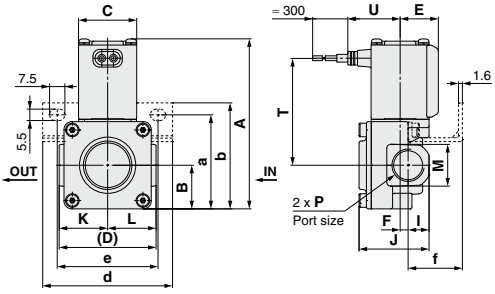
Model	One-touch fitting P	A	B	C	D	E	F	I	J	K	L	Electrical entry						
												Conduit terminal			Conduit		Flat terminal	
												T	U	V	T	U	T	U
VXD2$^{3}_{A}$	ø10, ø3/8", ø12	91 (97)	22.5	30	45	20	6	13.5	41.5	25	33	52.5 (58)	99.5	68.5	52.5 (58)	47.5	58.5 (64.5)	23

Model	One-touch fitting P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{3}_{A}$	ø10, ø3/8", ø12	58	65	67	52	25.5

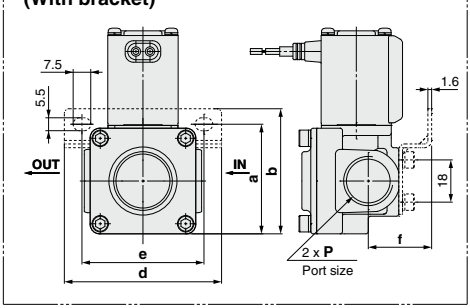
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{3}_{A}$ Body Material: Aluminum, C37, Stainless Steel

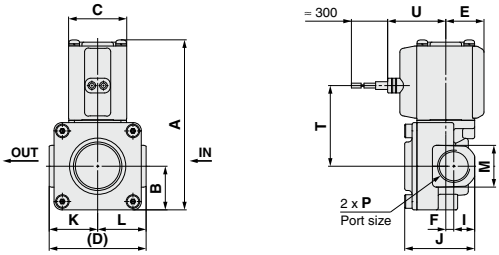
Grommet



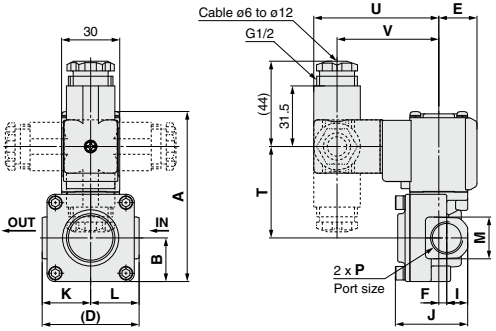
VXD2$^{3}_{A}$ Port size 04 (1/2)
(With bracket)



Grommet (with surge voltage suppressor)



DIN terminal



(mm)

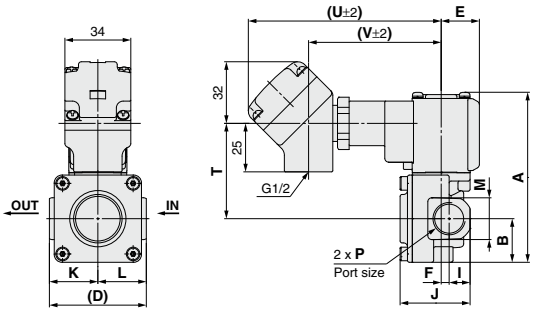
Model	Port size P	A	B	C	D	E	F	I	J	K	L	M: C37, Stainless steel body	M: Aluminum body type	Electrical entry: Grommet T	Grommet U	Grommet (with surge voltage suppressor) T	Grommet (with surge voltage suppressor) U	DIN terminal T	DIN terminal U	DIN terminal V
VXD2$^{3}_{A}$	1/4, 3/8	88 (93.5)	22.5	30	50	20	4.5	11	37.5	25	25	22	24	55.5 (61)	27	42 (47.5)	30	47.5 (53)	64.5	52.5
	1/2						5	13	42.5			27	30							

Model	Port size P	Mounting bracket dimensions: a	b	d	e	f
VXD2$^{3}_{A}$	1/4, 3/8	48.5	55	67	52	28
	1/2	47	53.5			27

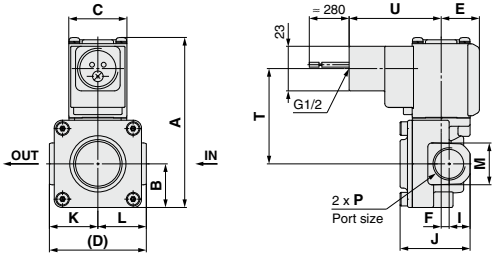
( ): Denotes the Normally Open (N.O.) dimensions.
Aluminum body is for air. Refer to page 118 for details.

Dimensions/VXD2$^{3}_{A}$ Body Material: Aluminum, C37, Stainless Steel

Conduit terminal

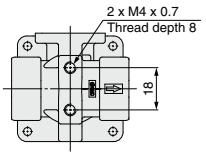


Conduit

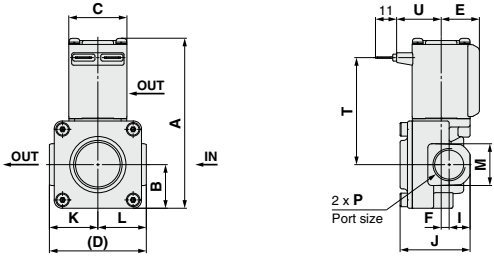


VXD2$^{3}_{A}$□$^{C}_{F}$□

Note) Only the VXD2$^{3}_{A}$ with port size of 04 (1/2) has threads on the bottom of the body.



Flat terminal



(mm)

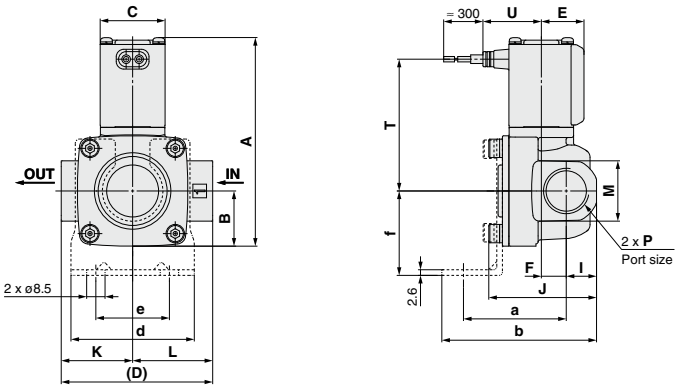
Model	Port size P	A	B	C	D	E	F	I	J	K	L	M		Electrical entry						
												C37, Stainless steel body	Aluminum body	Conduit terminal			Conduit		Flat terminal	
														T	U	V	T	U	T	U
VXD2$^{3}_{A}$	1/4, 3/8	88	22.5	30	50	20	4.5	11	37.5	25	25	22	24	49.5	99.5	68.5	49.5	47.5	55.5	23
	1/2	(93.5)					5	13	42.5			27	30	(55)			(55)		(61)	

( ): Denotes the Normally Open (N.O.) dimensions.
Aluminum body is for air. Refer to page 118 for details.

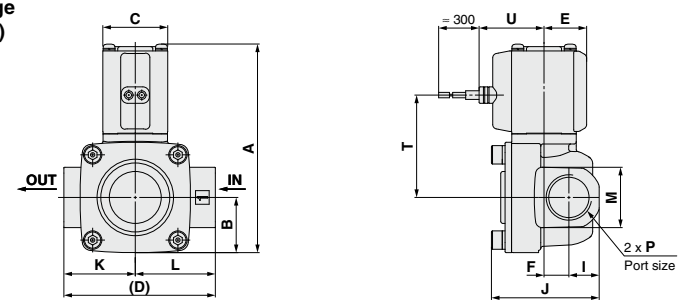
For Air/Water/Oil

Dimensions/VXD2$^{4}_{B}$ Body Material: C37, Stainless Steel

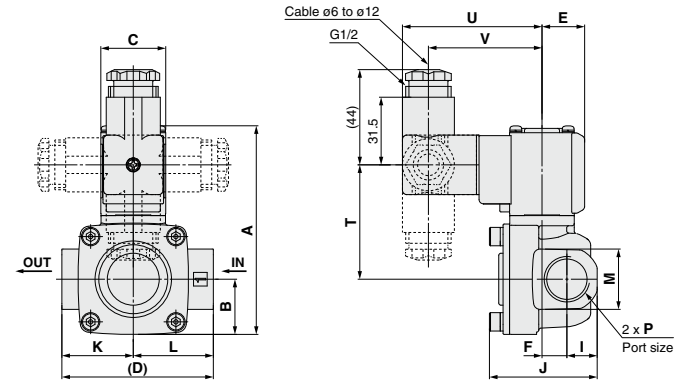
Grommet



Grommet (with surge voltage suppressor)



DIN terminal



(mm)

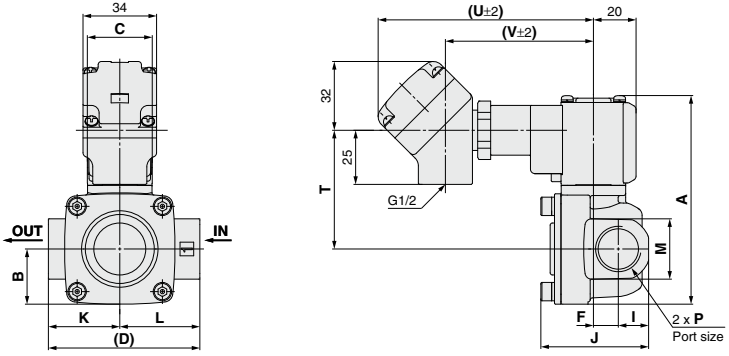
Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry						
													Grommet		Grommet (with surge voltage suppressor)		DIN terminal		
													T	U	T	U	T	U	V
VXD2$^{4}_{B}$	3/8, 1/2	96.5 (102.5)	25.5	30	70	20	11.5	14	50	33	37	28	61 (67)	27	47.5 (53.5)	30	53 (59)	64.5	52.5

Model	Port size P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{4}_{B}$	3/8, 1/2	47.5	71.5	57	34	39

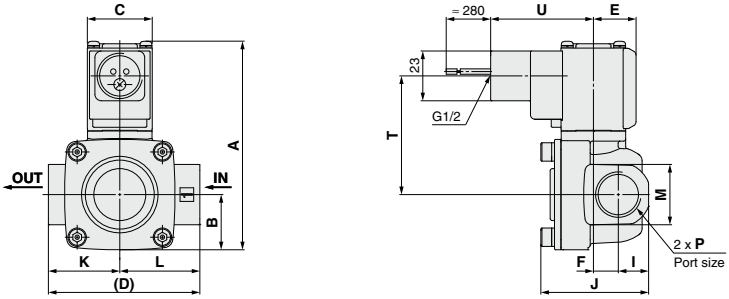
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{4}_{B}$ Body Material: C37, Stainless Steel

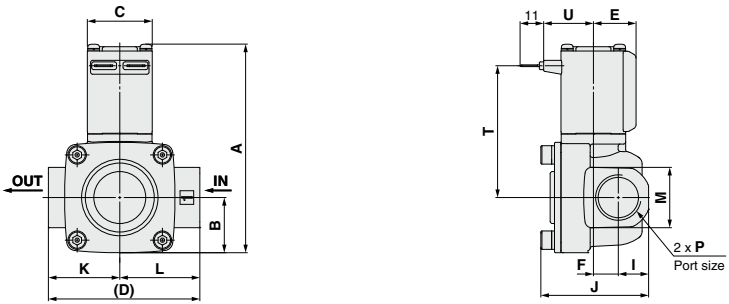
Conduit terminal



Conduit



Flat terminal



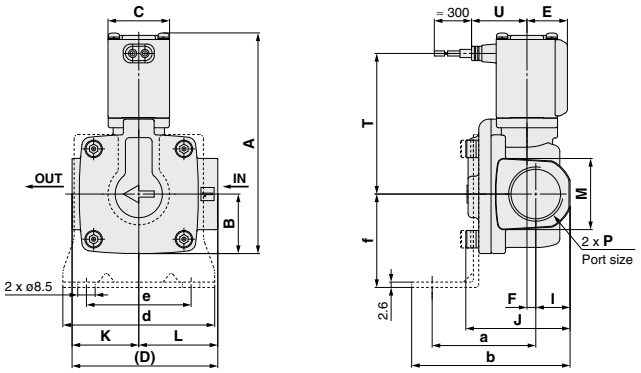
(mm)

Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry						
													Conduit terminal			Conduit		Flat terminal	
													T	U	V	T	U	T	U
VXD2$^{4}_{B}$	3/8, 1/2	96.5 (102.5)	25.5	30	70	20	11.5	14	50	33	37	28	55 (61)	99.5	68.5	55 (61)	47.5	61 (67)	23

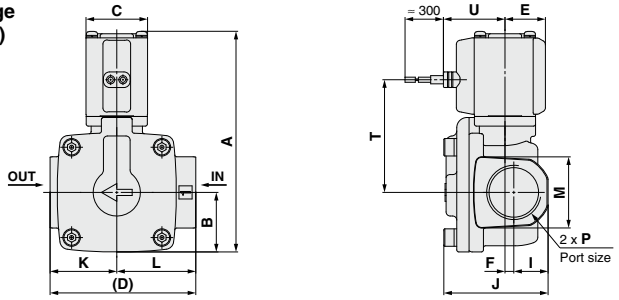
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{5}_{C}$/2$^{6}_{D}$ Body Material: C37, Stainless Steel

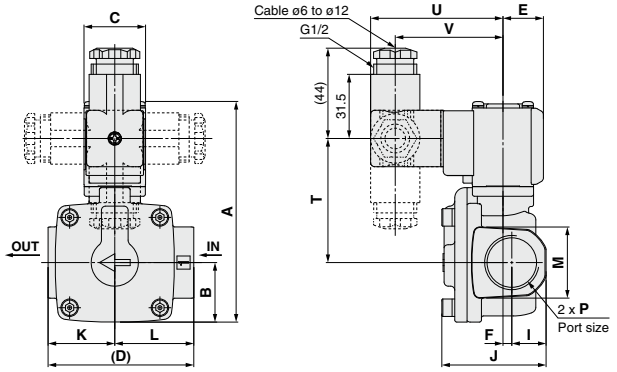
Grommet



Grommet (with surge voltage suppressor)



DIN terminal



(mm)

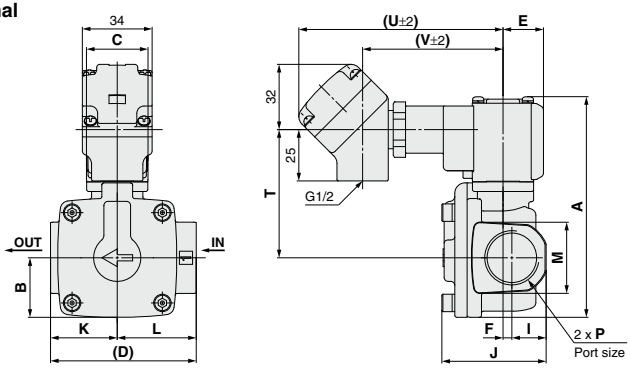
Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry						
													Grommet		Grommet (with surge voltage suppressor)		DIN terminal		
													T	U	T	U	T	U	V
VXD2$^{5}_{C}$	3/4	107.5 (113.5)	29	30	71	20	4.5	17	51	32.5	38.5	35	68.5 (74.5)	27	55 (61)	30	60.5 (66.5)	64.5	52.5
VXD2$^{6}_{D}$	1	126.5 (134.5)	33	35	95	22	4.5	20	59.5	45.5	49.5	42	82.5 (90.5)	29.5	69 (77)	32.5	74.5 (82.5)	67	55

Model	Port size P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{5}_{C}$	3/4	50.5	77.5	74	51	45.5
VXD2$^{6}_{D}$	1	55.5	85.5	81	58	49.5

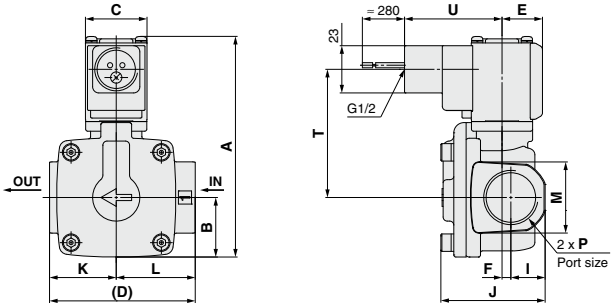
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{5}_{C}$/2$^{6}_{D}$ Body Material: C37, Stainless Steel

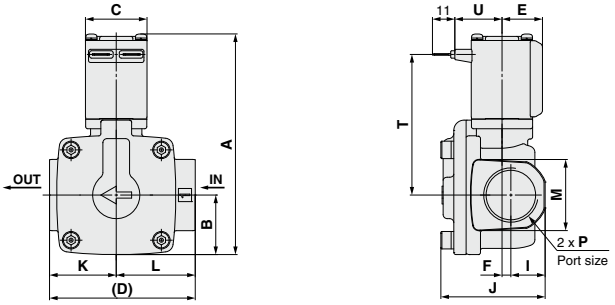
Conduit terminal



Conduit



Flat terminal



(mm)

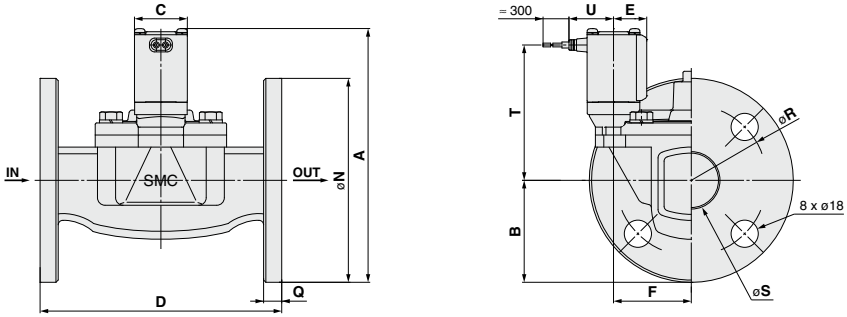
Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry						
													Conduit terminal			Conduit		Flat terminal	
													T	U	V	T	U	T	U
VXD2$^{5}_{C}$	3/4	107.5 (113.5)	29	30	71	20	4.5	17	51	32.5	38.5	35	62.5 (68.5)	99.5	68.5	62.5 (68.5)	47.5	68.5 (74.5)	23
VXD2$^{6}_{D}$	1	126.5 (134.5)	33	35	95	22	4.5	20	59.5	45.5	49.5	42	76.5 (84.5)	102	71	76.5 (84.5)	50	82.5 (90.5)	25.5

Model	Port size P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{5}_{C}$	3/4	50.5	77.5	74	51	45.5
VXD2$^{6}_{D}$	1	55.5	85.5	81	58	49.5

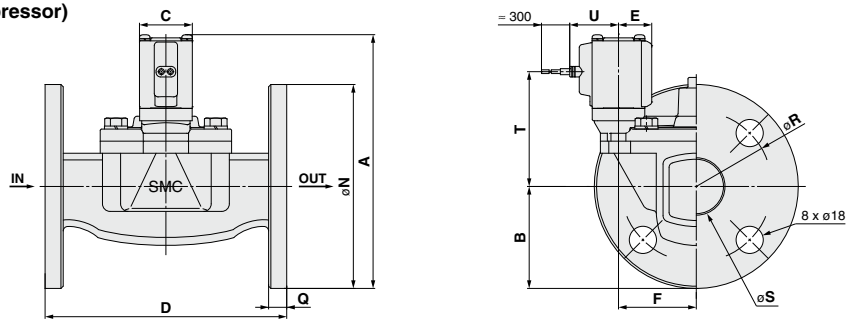
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{7}_{E}$/2$^{8}_{F}$/2$^{9}_{G}$ Body Material: CAC408

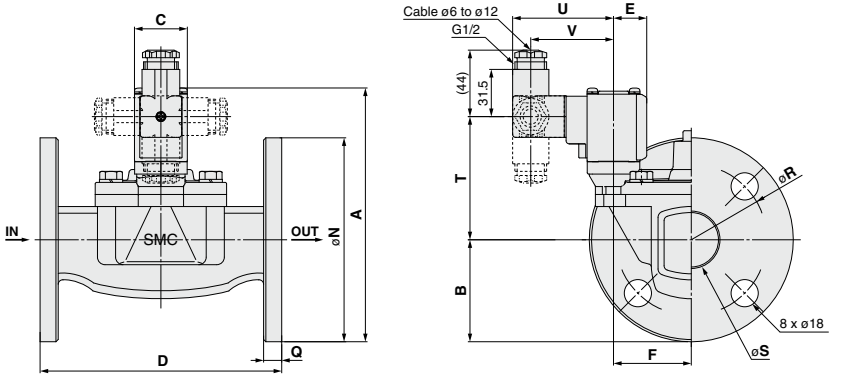
Grommet



Grommet (with surge voltage suppressor)



DIN terminal



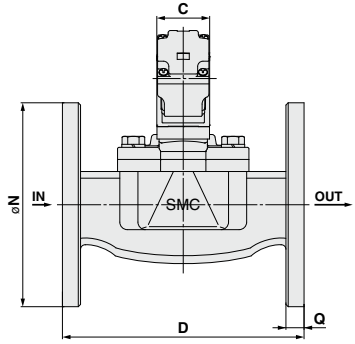
(mm)

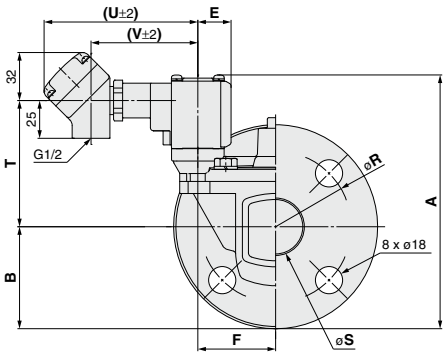
Model	Applicable flange	A	B	C	D	E	F	N	Q	R	S	Electrical entry						
												Grommet		Grommet (with surge voltage suppressor)		DIN terminal		
												T	U	T	U	T	U	V
VXD2$^{7}_{E}$	32A	168 (176)	67.5	35	160	22	51.5	135	12	100	36	90 (98)	29.5	76 (84)	32.5	82 (90)	67	55
VXD2$^{8}_{F}$	40A	179.5 (187.5)	70	40	170	24.5	54.5	140	14	105	42	98.5 (106.5)	32	85 (93)	35	90.5 (98.5)	69.5	57.5
VXD2$^{9}_{G}$	50A	192.5 (200.5)	77.5	40	180	24.5	59	155	14	120	52	104 (112)	32	90.5 (98.5)	35	96 (104)	69.5	57.5

( ): Denotes the Normally Open (N.O.) dimensions.

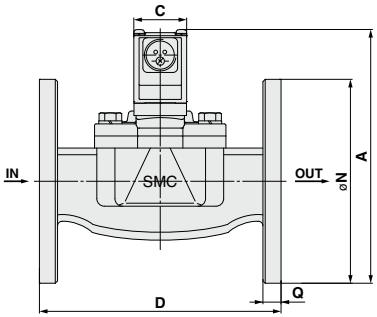
Dimensions/VXD2$^{7}_{E}$/2$^{8}_{F}$/2$^{9}_{G}$ Body Material: CAC408

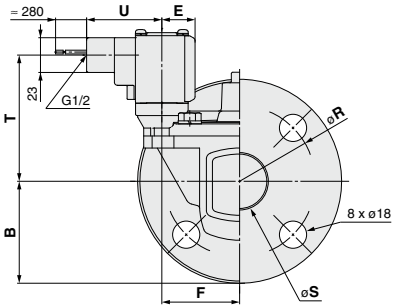
Conduit terminal



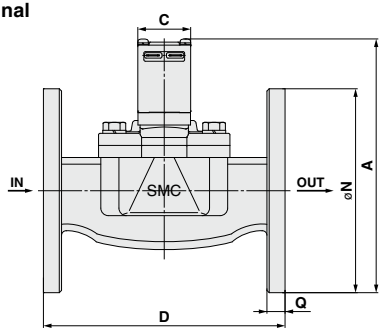


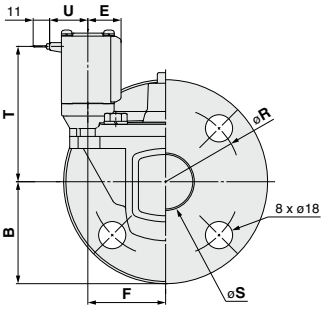
Conduit





Flat terminal





(mm)

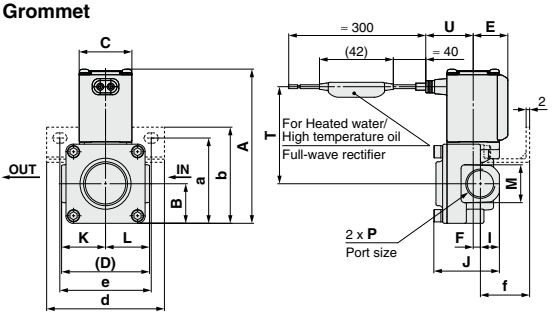
Model	Applicable flange	A	B	C	D	E	F	N	Q	R	S	Electrical entry						
												Conduit terminal			Conduit		Flat terminal	
												T	U	V	T	U	T	U
VXD2$^{7}_{E}$	32A	168 (176)	67.5	35	160	22	51.5	135	12	100	36	84 (92)	102	71	84 (92)	50	90 (98)	25.5
VXD2$^{8}_{F}$	40A	179.5 (187.5)	70	40	170	24.5	54.5	140	14	105	42	92.5 (100.5)	104.5	73.5	92.5 (100.5)	52.5	98.5 (106.5)	28
VXD2$^{9}_{G}$	50A	192.5 (200.5)	77.5	40	180	24.5	59	155	14	120	52	98 (106)	104.5	73.5	98 (106)	52.5	104 (112)	28

( ): Denotes the Normally Open (N.O.) dimensions.

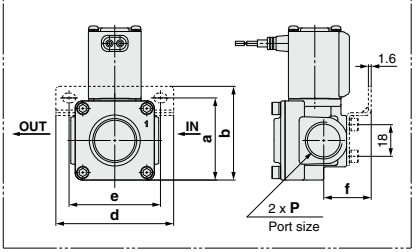
For Heated water/High temperature oil

Dimensions/VXD2$^{3}_{A}$ Body Material: C37, Stainless Steel (1/4, 3/8, 1/2)

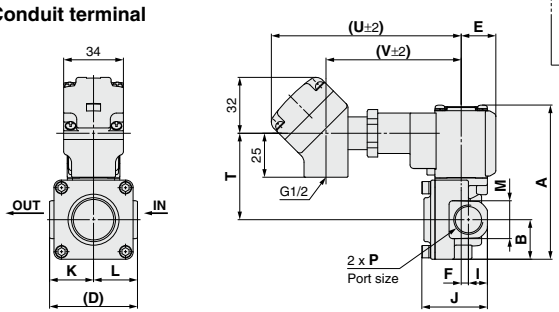
Grommet



VXD2$^{3}_{A}$ Port size 04 (1/2)
(With bracket)

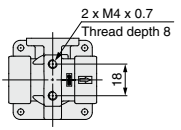


Conduit terminal

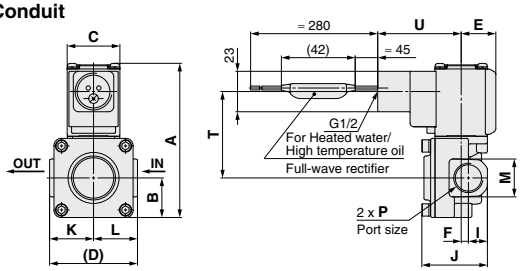


VXD2$^{3}_{A}$□$^{C}_{F}$□

Note) Only the VXD2$^{3}_{A}$ with port size of 04 (1/2) has threads on the bottom of the body.



Conduit



(mm)

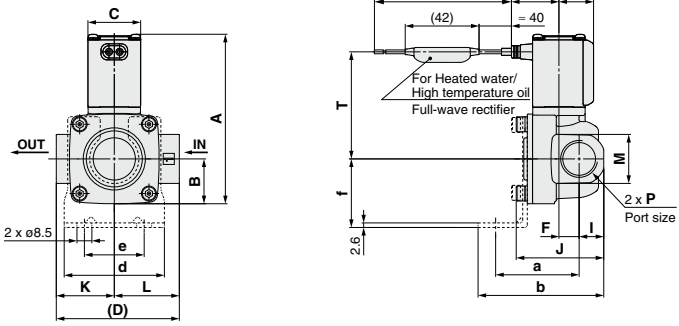
Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry						
													Grommet		Conduit terminal			Conduit	
													T	U	T	U	V	T	U
VXD2$^{3}_{A}$	1/4, 3/8	88 (93.5)	22.5	30	50	20	4.5	11	37.5	25	25	22	55.5 (61)	27	49.5 (55)	108	77	49.5 (55)	47.5
	1/2						5	13	42.5			27							

Model	Port size P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{3}_{A}$	1/4, 3/8	48.5	55	67	52	28
	1/2	47	53.5			27

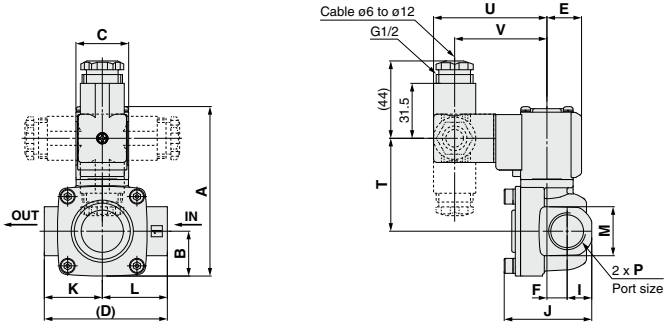
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{4}_{B}$ Body Material: C37, Stainless Steel

Grommet



DIN terminal



(mm)

Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry				
													Grommet		DIN terminal		
													T	U	T	U	V
VXD2$^{4}_{B}$	3/8, 1/2	96.5 (102.5)	25.5	30	70	20	11.5	14	50	33	37	28	61 (67)	27	53 (59)	64.5	52.5

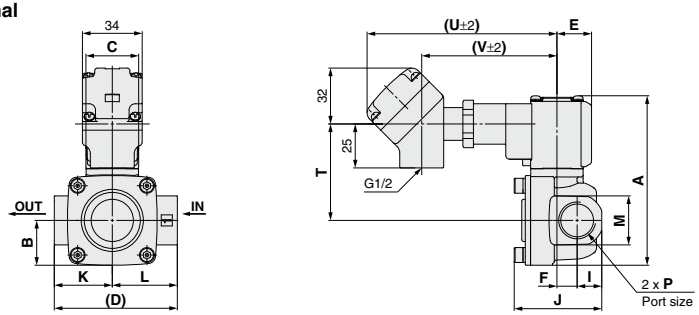
Model	Port size P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{4}_{B}$	3/8, 1/2	47.5	71.5	57	34	39

( ): Denotes the Normally Open (N.O.) dimensions.

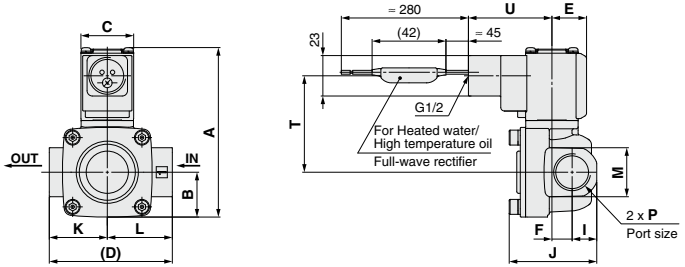
For Heated water/High temperature oil

Dimensions/VXD2$^{4}_{B}$ Body Material: C37, Stainless Steel

Conduit terminal



Conduit



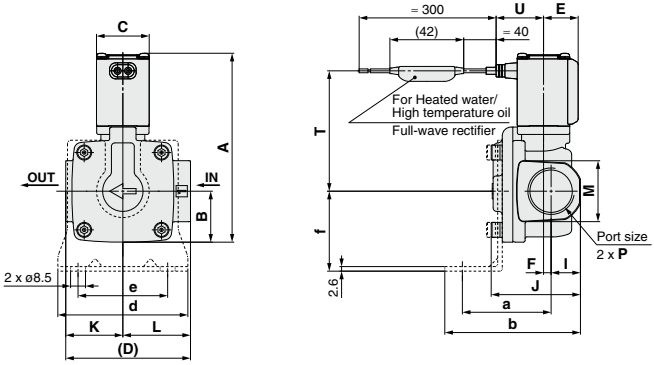
(mm)

Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry				
													Conduit terminal			Conduit	
													T	U	V	T	U
VXD2$^{4}_{B}$	3/8, 1/2	96.5 (102.5)	25.5	30	70	20	11.5	14	50	33	37	28	55 (61)	108	77	55 (61)	47.5

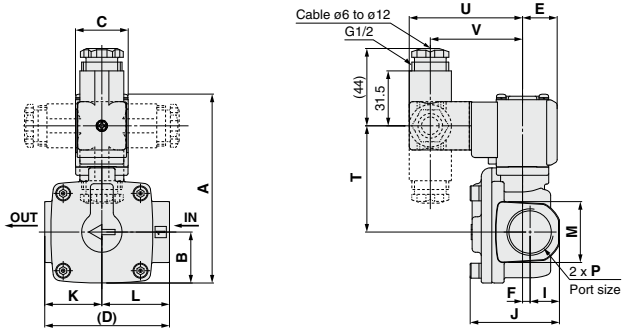
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{5}_{C}$/2$^{6}_{D}$ Body Material: C37, Stainless Steel

Grommet



DIN terminal



(mm)

Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry				
													Grommet		DIN terminal		
													T	U	T	U	V
VXD2$^{5}_{C}$	3/4	107.5 (113.5)	29	30	71	20	4.5	17	51	32.5	38.5	35	68.5 (74.5)	27	60.5 (66.5)	64.5	52.5
VXD2$^{6}_{D}$	1	126.5 (134.5)	33	35	95	22	4.5	20	59.5	45.5	49.5	42	82.5 (90.5)	29.5	74.5 (82.5)	67	55

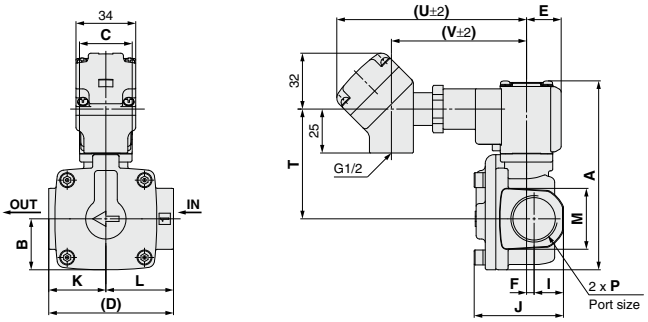
Model	Port size P	Mounting bracket dimensions				
		a	b	d	e	f
VXD2$^{5}_{C}$	3/4	50.5	77.5	74	51	45.5
VXD2$^{6}_{D}$	1	55.5	85.5	81	58	49.5

( ): Denotes the Normally Open (N.O.) dimensions.

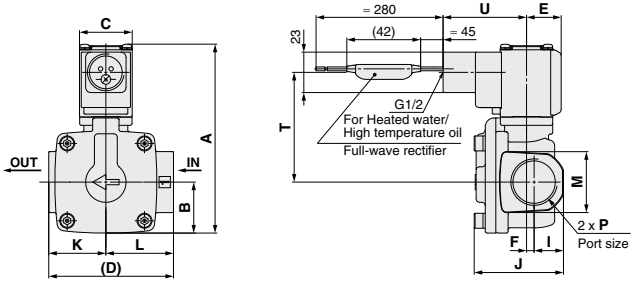
For Heated water/High temperature oil

Dimensions/VXD2$^{5}_{C}$/2$^{6}_{D}$ Body Material: C37, Stainless Steel

Conduit terminal



Conduit



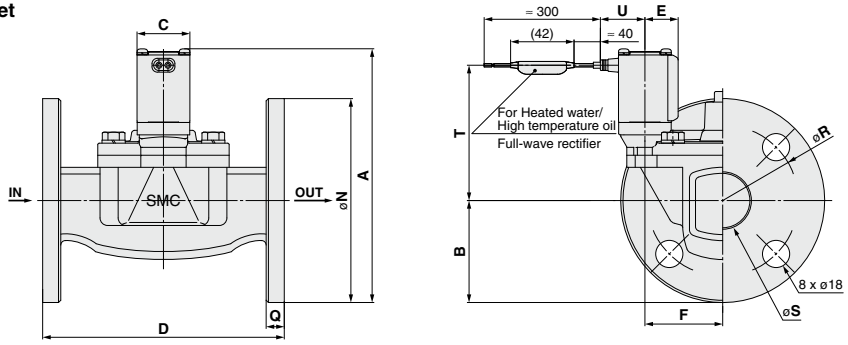
(mm)

Model	Port size P	A	B	C	D	E	F	I	J	K	L	M	Electrical entry				
													Conduit terminal			Conduit	
													T	U	V	T	U
VXD2$^{5}_{C}$	3/4	107.5 (113.5)	29	30	71	20	4.5	17	51	32.5	38.5	35	62.5 (68.5)	108	77	62.5 (68.5)	47.5
VXD2$^{6}_{D}$	1	126.5 (134.5)	33	35	95	22	4.5	20	59.5	45.5	49.5	42	76.5 (84.5)	110.5	79.5	76.5 (84.5)	50

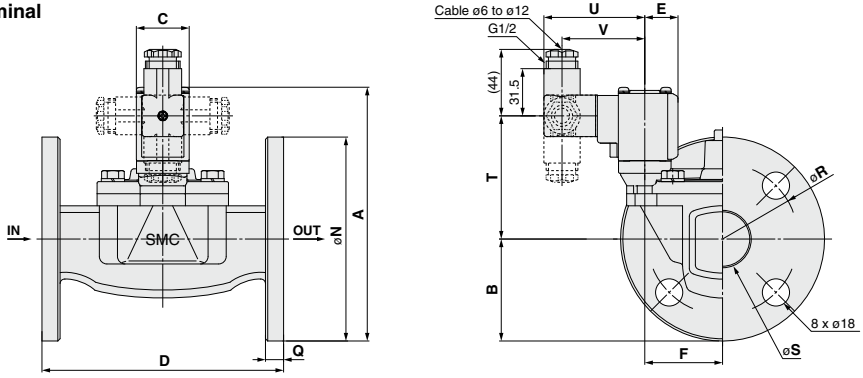
( ): Denotes the Normally Open (N.O.) dimensions.

Dimensions/VXD2$^{7}_{E}$/2$^{8}_{F}$/2$^{9}_{G}$ Body Material: CAC408

Grommet



DIN terminal



(mm)

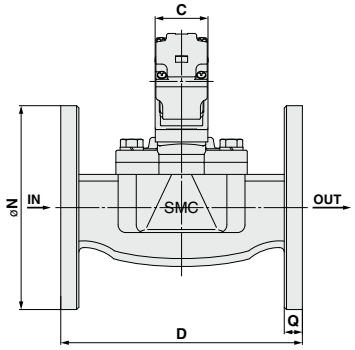
Model	Applicable flange	A	B	C	D	E	F	N	Q	R	S	Electrical entry				
												Grommet		DIN terminal		
												T	U	T	U	V
VXD2$^{7}_{E}$	32A	168 (176)	67.5	35	160	22	51.5	135	12	100	36	90 (98)	29.5	82 (90)	67	55
VXD2$^{8}_{F}$	40A	179.5 (187.5)	70	40	170	24.5	54.5	140	14	105	42	98.5 (106.5)	32	90.5 (98.5)	69.5	57.5
VXD2$^{9}_{G}$	50A	192.5 (200.5)	77.5	40	180	24.5	59	155	14	120	52	104 (112)	32	96 (104)	69.5	57.5

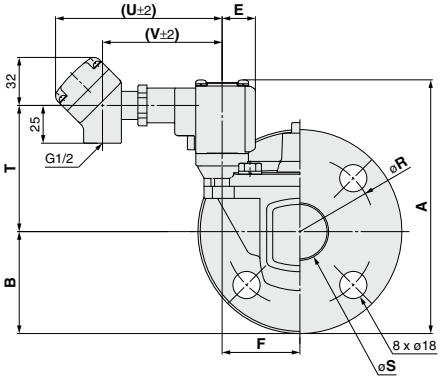
( ): Denotes the Normally Open (N.O.) dimensions.

For Heated water/High temperature oil

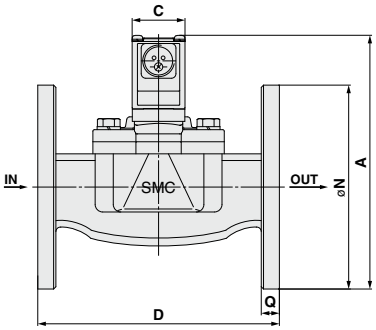
Dimensions/VXD2$^{7}_{E}$/2$^{8}_{F}$/2$^{9}_{G}$ Body Material: CAC408

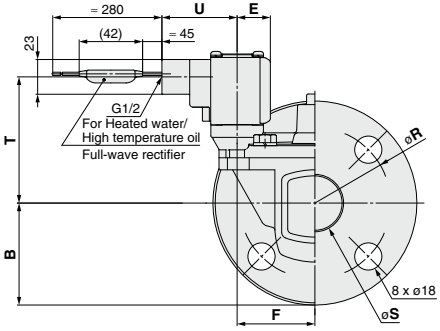
Conduit terminal





Conduit





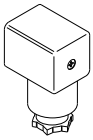
(mm)

Model	Applicable flange	A	B	C	D	E	F	N	Q	R	S	Electrical entry				
												Conduit terminal			Conduit	
												T	U	V	T	U
VXD2$^{7}_{E}$	32A	168 (176)	67.5	35	160	22	51.5	135	12	100	36	84 (92)	110.5	79.5	84 (92)	50
VXD2$^{8}_{F}$	40A	179.5 (187.5)	70	40	170	24.5	54.5	140	14	105	42	92.5 (100.5)	113	82	92.5 (100.5)	52.5
VXD2$^{9}_{G}$	50A	192.5 (200.5)	77.5	40	180	24.5	59	155	14	120	52	98 (106)	113	82	98 (106)	52.5

( ): Denotes the Normally Open (N.O.) dimensions.

Replacement Parts

- **DIN Connector Part No.**



<Coil Insulation Type/Class B>

Electrical option	Rated voltage	Connector part no.
None	24 VDC	**GDM2A-G**
	12 VDC	
	100 VAC	
	110 VAC	
	200 VAC	
	220 VAC	
	230 VAC	
	240 VAC	
	24 VAC	
	48 VAC	
With light	24 VDC	**GDM2A-L5**
	12 VDC	**GDM2A-L6**
	100 VAC	**GDM2A-L1**
	110 VAC	**GDM2A-L1**
	200 VAC	**GDM2A-L2**
	220 VAC	**GDM2A-L2**
	230 VAC	**GDM2A-L2**
	240 VAC	**GDM2A-L2**
	24 VAC	**GDM2A-L5**
	48 VAC	**GDM2A-L15**

<Coil Insulation Type/Class H>

Electrical option	Rated voltage	Connector part no.
None	24 VDC	**GDM2A-G-S5**
	100 VAC	**GDM2A-R**
	110 VAC	
	200 VAC	
	220 VAC	
	230 VAC	
	240 VAC	
	24 VAC	
	48 VAC	
With light	24 VDC	**GDM2A-G-Z5**
	100 VAC	**GDM2A-R-L1**
	110 VAC	**GDM2A-R-L1**
	200 VAC	**GDM2A-R-L2**
	220 VAC	**GDM2A-R-L2**
	230 VAC	**GDM2A-R-L2**
	240 VAC	**GDM2A-R-L2**
	24 VAC	**GDM2A-R-L5**
	48 VAC	**GDM2A-R-L5**

- **Gasket Part No. for DIN Connector**

  VCW20-1-29-1 (for Class B)
  VCW20-1-29-1-F (for Class H)

- **Lead Wire Assembly Part No. for Flat Terminal (Set of 2 pcs.)**

  VX021S-1-16FB

- **Bracket Assembly Part No. for the VXD2$\frac{3}{A}$ Metal Body (C37, Stainless steel, Aluminum)**

  Port size: For 1/4, 3/8 **VXD30S-14A-1**

  Port size: For 1/2 **VXD30S-14A-3**

∗ 2 mounting screws (M4 hexagon socket head cap screws) are shipped together with the bracket assembly, but not assembled.