

Pilot Operated 2 Port Solenoid Valve

For Water, Oil, Air



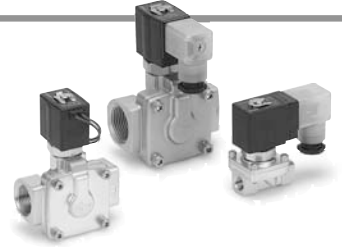
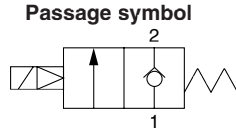
New
VXD Series **VXD21/22/23**

Series VXD21/22/23

For Water

Model/Valve Specifications

Normally closed (N.C.)



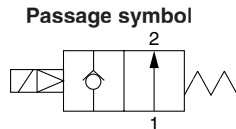
Port size	Orifice size (mmø)	Model	Min. operating pressure differential (MPa)	Max. operating pressure differential (MPa)		Flow characteristics		Max. system pressure (MPa)	Weight (g) ^{Note)}	
				AC	DC	Av x 10 ⁻⁶ m ²	Cv converted			
Thread	1/4 (8A)	10	VXD2130-02	0.02	0.7	0.5	46	1.9	1.5	420
	3/8 (10A)	10	VXD2130-03				58	2.4		
		15	VXD2140-03		110	4.5				
	1/2 (15A)	10	VXD2130-04		0.7	0.5	58	2.4		
		15	VXD2140-04		130	5.5				
	3/4 (20A)	20	VXD2150-06		230	9.5				
Flange	1 (25A)	25	VXD2260-10	1.0	1.0	310	13	1650		
	32A	35	VXD2270-32			550	23	5400		
	40A	40	VXD2380-40			740	31	6800		
	50A	50	VXD2390-50			1200	49	8400		



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

• Refer to "Glossary of Terms" on front matter 10, for details on the max. operating pressure differential and the max. system pressure.

Normally open (N.O.)



Port size	Orifice size (mmø)	Model	Min. operating pressure differential (MPa)	Max. operating pressure differential (MPa)		Flow characteristics		Max. system pressure (MPa)	Weight (g) ^{Note)}
				AC, DC		Av x 10 ⁻⁶ m ²	Cv converted		
Thread	3/8 (10A)	15	VXD2142-03	0.7		110	4.5	1.5	690
	1/2 (15A)	20	VXD2142-04			130	5.5		
	3/4 (20A)	25	VXD2152-06			230	9.5		
	1 (25A)	35	VXD2262-10			310	13		
Flange	32A	40	VXD2272-32	0.03		550	23	5400	
	40A	50	VXD2382-40			740	31	6800	
	50A		VXD2392-50			1200	49	8400	



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

• Refer to "Glossary of Terms" on front matter 10, for details on the max. operating pressure differential and the max. system pressure.

Operating Fluid and Ambient Temperature

Power source	Operating fluid temperature (°C)		Ambient temperature (°C)
	Solenoid valve option		
	Nil, G, H	E, P	
AC	1 to 60	1 to 99	-10 to 60
DC	1 to 40	—	-10 to 40

Note 1) Since the AC/Class B coil (with a full-wave rectifier) uses a rectifying circuit, the fluid and ambient temperature are the same as the DC specifications.

Note 2) With no freezing

Tightness of Valve (Leakage Rate)

Seal material	Leakage rate (With water pressure)	
	1/4 to 1	32A to 50A
NBR, FKM, EPDM	0.2 cm ³ /min or less	1 cm ³ /min or less

Series VXD21/22/23

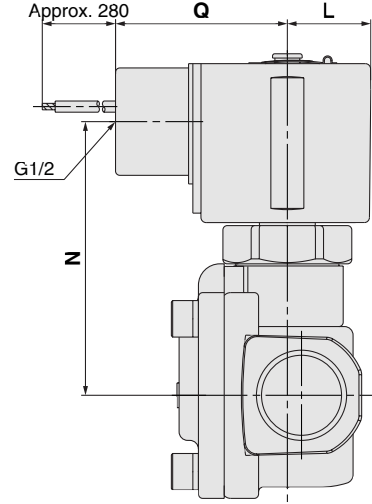
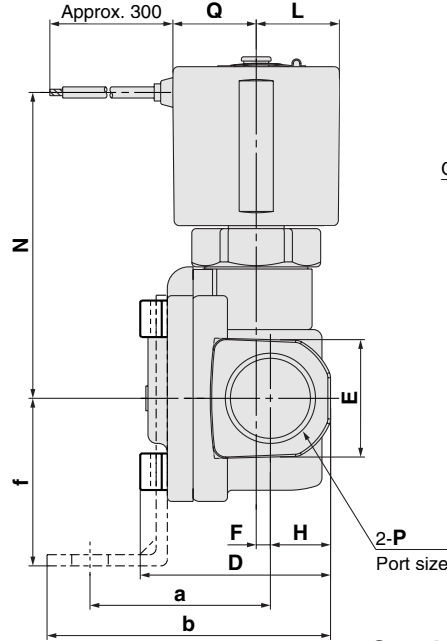
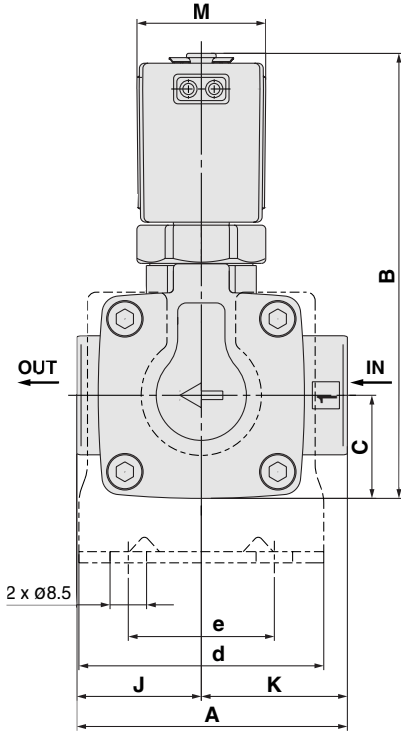
Dimensions

Normally closed (N.C.): VXD2140/2150/2260

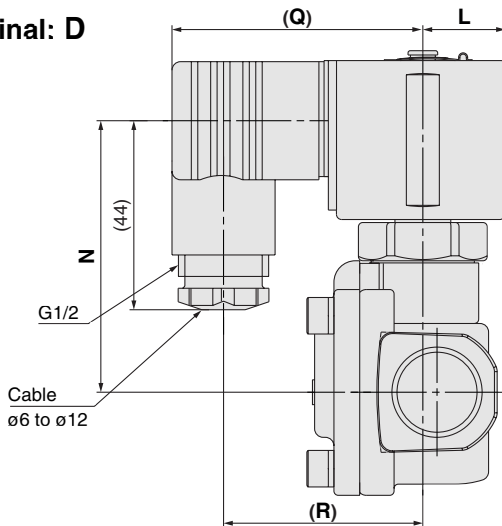
Normally open (N.O.): VXD2142/2152/2262

Grommet: G

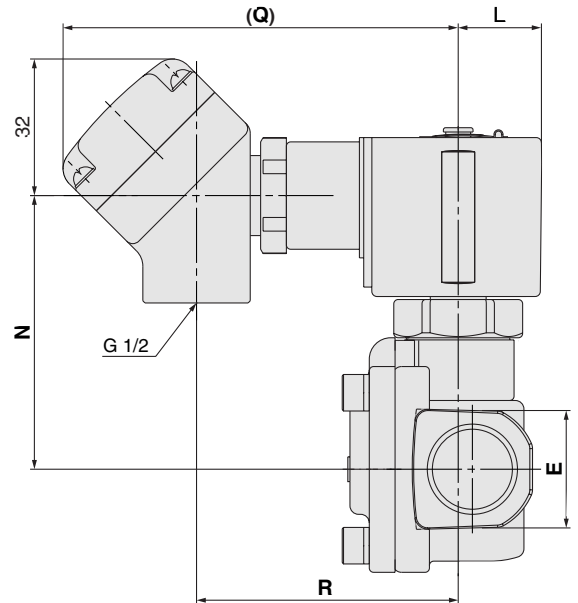
Conduit: C



DIN terminal: D



Conduit terminal: T



Model		Port size P	A	B	C	D	E	F	H	J	K	L	M	Electrical entry (DC, AC)											
Normally closed	Normally open	Rc												Grommet			Conduit			DIN terminal			Conduit terminal		
														N	Q	N	Q	N	Q	R	N	Q	R		
VXD2140	VXD2142	3/8, 1/2	63	104 (110.5)	24	44.5	28	3.5	14	29	34	19.5	30	71.5	19.5	64	40	63.5	58.5	46.5	64	92	61		
VXD2150	VXD2152	3/4	80	115.5 (122)	29	51.5	35	4.5	17	37	43	19.5	30	78	19.5	70.5	40	70	65.5	46.5	70.5	92	61		
VXD2260	VXD2262	1	90	133 (140.5)	33	60	42	4.5	20	43	47	22.5	35	92	22.5	84.5	43	84	61.5	49.5	84.5	95	64		

denotes the value for N O.

Model		Port size P	Bracket mounting				
Normally closed	Normally open	Rc	a	b	d	e	f
VXD2140	VXD2142	3/8, 1/2	42	66	57	34	39
VXD2150	VXD2152	3/4	46	73	74	51	45.5
VXD2260	VXD2262	1	56	86	81	58	49.5

Model		Electrical entry (AC/Class B coil)*											
Normally closed	Normally open	Grommet			Conduit			DIN terminal			Conduit terminal		
		N	Q	N	Q	N	Q	R	N	Q	R		
VXD2140	VXD2142	67.5	37	62.5	48.5	63.5	65.5	53.5	62.5	100.5	69.5		
VXD2150	VXD2152	74	37	69	48.5	70	65.5	53.5	69	100.5	69.5		
VXD2260	VXD2262	88	40	83	51.5	84	68.5	56.5	83	103.5	72.5		

* Coil with a full-wave rectifier (electrical option "R")