

Pilot Operated 2 Port Solenoid Valve **Series VXD21/22/23**

For Water/Single Unit

How to Order

DC/AC (except VXD2130 AC/Class B)
AC/Class B coil (with a full-wave rectifier)

* The AC (Class B) coil for VXD2130 comes with a full-wave rectifier.

Model • Refer to "Table (1)" shown below for availability.

Valve/Body configuration • Refer to "Table (1)" shown below for availability.

Solenoid valve option • Refer to "Table (2)" shown below for availability.

Suffix •

Thread type • Refer to "Table (1)" shown below for availability.

Rated voltage •

Port size • Refer to "Table (1)" shown below for availability.

Orifice size • Refer to "Table (1)" shown below for availability.

Electrical entry •

Bracket •

With a full-wave rectifier, surge voltage suppressor

Electrical entry •

G - Grommet
GS - With grommet surge voltage suppressor

C - Conduit

T - With conduit terminal
TS - With conduit terminal and surge voltage suppressor
TL - With conduit terminal and light
TZ - With conduit terminal, surge voltage suppressor and light

D - DIN
DS - DIN with surge voltage suppressor
DL - DIN with light
DZ - DIN with surge voltage suppressor and light
DO - For DIN (without connector)

* DIN type is available with class B insulation only.

* Refer to "Table (3)" for the available combinations between each electrical option (S, L, Z, and rated voltage).

* Option S, Z are not available since a surge voltage suppressor is integrated into the AC/Class B coil, as a standard.

Rated voltage

1	100 VAC 50/60 Hz	6	12 VDC
2	200 VAC 50/60 Hz	7	240 VAC 50/60 Hz
3	110 VAC 50/60 Hz	8	48 VAC 50/60 Hz
4	220 VAC 50/60 Hz	J	230 VAC 50/60 Hz
5	24 VDC		

* Refer to "Table (3)" shown below for availability.

Refer to page 1 for ordering coil only.

Table (1) Port/Orifice Size

into the AC/Class B coil, as a standard

Normally closed (N.C.)													
Solenoid valve (Port size)				Orifice symbol								Material	
Model		VXD21	VXD22	VXD23	3 (10 mmø)	4 (15 mmø)	5 (20 mmø)	6 (25 mmø)	7 (35 mmø)	8 (40 mmø)	9 (50 mmø)	Body	Seal
Port no. (Port size)	Thread	02 (1/4)	—	—	●	—	—	—	—	—	—	Brass (C37), Stainless steel	NBR FKM EPDM
		03 (3/8)	—	—	●	●	—	—	—	—	—		
		04 (1/2)	—	—	●	●	—	—	—	—	—		
		06 (3/4)	—	—	—	—	●	—	—	—	—		
	Flange	—	10 (1)	—	—	—	—	●	—	—	—	CAC407	
		—	32 (32A)	—	—	—	—	—	●	—	—		
		—	—	40 (40A)	—	—	—	—	—	●	—		
		—	—	50 (50A)	—	—	—	—	—	—	●		

Normally open (N.O.)

Solenoid valve (Port size)				Orifice symbol						Material		
Model		VXD21	VXD22	VXD23	4 (15 mmø)	5 (20 mmø)	6 (25 mmø)	7 (35 mmø)	8 (40 mmø)	9 (50 mmø)	Body	Seal
Port no. (Port size)	Thread	03 (3/8)	—	—	●	—	—	—	—	—	Brass (C37), Stainless steel	NBR FKM EPDM
		04 (1/2)	—	—	●	—	—	—	—	—		
		06 (3/4)	—	—	—	●	—	—	—	—		
	Flange	—	10 (1)	—	—	—	●	—	—	—	CAC407	
		—	32 (32A)	—	—	—	—	●	—	—		
		—	—	40 (40A)	—	—	—	—	●	—		
		—	—	50 (50A)	—	—	—	—	—	●		

Table (2) Solenoid Valve Option

Option symbol	Seal material	Body material/ Shading coil material	Coil insulation type	Note
Nil	NBR	Brass (C37), Cu	B	—
G		Stainless steel, Ag		
E	EPDM	Brass (C37), Cu	H	Heated water (AC only)
P		Stainless steel, Ag		
L	FKM	Stainless steel, Ag	B	High corrosion resistance specification, Oil-free

Table (3) Rated Voltage Electrical Option

Rated voltage			Class B			Class H		
AC/DC	Voltage symbol	Voltage	With surge voltage suppressor	With light	With light and surge voltage suppressor	With surge voltage suppressor	With light	With light and surge voltage suppressor
AC	1	100 V	●	●	●	●	●	●
	2	200 V	●	●	●	●	●	●
	3	110 V	●	●	●	●	●	●
	4	220 V	●	●	●	●	●	●
	7	240 V	●	—	—	●	—	—
	8	48 V	●	—	—	●	—	—
DC	J	230 V	●	—	—	●	—	—
	5	24 V	●	●	●	DC specification is not available.		
	6	12 V	●	—	—			

Note: Option S, Z are not available as surge voltage suppressor is integrated into the AC/Class B coil as a standard.