

How to Order (Single Unit)

AC VXK 21 2 0 - 01 - 1 G R 1 -

DC VXK 21 2 0 - 01 - 5 G 1 -

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

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

Valve/Body configuration

0	N.C./Single unit
2	N.O./Single unit

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

Suffix

Nil	—
Z	Oil-free

Select nil because the solenoid valve option "V" is the oil-free treatment.

Thread type

Nil	Rc
T	NPTF
F	G
N	NPT

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

Bracket

Nil	None
B	With bracket

* Packed in the same container as the main body.
* Refer to the Table (4) when a bracket is ordered separately.

Built-in full-wave rectifier type

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 terminal
DS - DIN terminal with surge voltage suppressor
DL - DIN terminal with light
DZ - DIN terminal with surge voltage suppressor and light
DO - For DIN terminal (without connector, gasket is included.)

Connector

* DIN type is available with class B only.

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 the Table (3) shown below for availability.

Refer to page 14 for ordering a coil only.

Table (1) Model/Orifice Size/Port Size
Normally Closed (N.C.)

Solenoid valve (Port size)				Orifice symbol (Diameter)				
Model	VXK21	VXK22	VXK23	1 (2 mmø)	2 (3 mmø)	3 (4.5 mmø)	4 (6 mmø)	5 (8 mmø)
Port symbol (Port size)	01 (1/8)	—	—	●	●	●	—	—
	02 (1/4)	—	—	●	●	●	—	—
	—	02 (1/4)	02 (1/4)	—	●	●	●	●
	—	03 (3/8)	03 (3/8)	—	●	●	●	●

Normally Open (N.O.)

Solenoid valve (Port size)				Orifice symbol (Diameter)			
Model	VXK21	VXK22	VXK23	1 (2 mmø)	2 (3 mmø)	3 (4.5 mmø)	4 (6 mmø)
Port symbol (Port size)	01 (1/8)	—	—	●	●	●	—
	02 (1/4)	—	—	●	●	●	—
	—	02 (1/4)	02 (1/4)	—	●	●	●
	—	03 (3/8)	03 (3/8)	—	●	●	●

Table (2) Solenoid Valve Option

Option symbol	Seal material	Body material	Coil insulation type	Remarks
Nil	NBR	C37	B	—
V	FKM			Non-leak (10 ⁻⁶ Pa·m ³ /sec), Oil-free, Medium vacuum (0.1 Pa.abs)

* When using with vacuum, consider the max. differential pressure. (0.1 MPa or more is recommended.)

⚠ Fluid: Air

When you operate the **VX series** (AC spec.) by air, the built-in full-wave rectifier type is chosen.

- The special construction of the armature reduces abrasion, resulting in a longer service life.
- Noise reduction

Best suited for medical equipment, low-noise environments, etc.

Table (3) Rated Voltage/Electrical Option

Rated voltage			Class B		
AC/DC	Voltage symbol	Voltage	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	●	●	●
	6	12 V	●	—	—

* Option "S", "Z" are not available because a surge voltage suppressor is integrated into the AC/Class B, built-in full-wave rectifier type as a standard.

Table (4) Bracket Part No.

Model	Part no.
VXK21	VXK021N-5A
VXK22	
VXK23	

Dimensions → page 13 (Single unit)