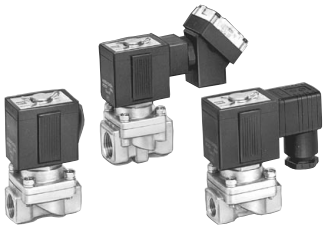
Diaphragm Type Pilot Operated 2 Port Solenoid Valve for High Pressure

VXH Series

CE [Option]

■ **Orifice diameter ø10**
■ **Max. operating pressure: 2.0 MPa**



Valve Specifications

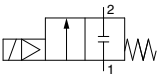
Port size	Orifice dia. (mm)	Min. operating pressure differential (MPa)	Max. operating pressure differential Note 2) (MPa)			Flow rate characteristics					Max. system pressure Note 2) (MPa)	Weight Note 1) (g)
						Water, Oil		Air				
			Water	Air	Oil	Kv	Cv converted	C [dm³/(s·bar)]	b	Cv		
1/4	10	0.05	2.0	2.0	1.5	1.6	1.9	8.5	0.35	2.0	2.0	550
3/8						2.0	2.4	9.5	0.30	2.3		550
1/2						2.0	2.4	9.5	0.30	2.3		630

Note 1) Weight of grommet type. Add 10 g for conduit type, 30 g for DIN terminal, 60 g for conduit terminal type respectively.
Note 2) Refer to "Glossary of Terms" on page 309 for details of max. operating pressure differential and max. system pressure.

Solenoid Specifications

Power source	Frequency (Hz)	Apparent power (VA)		Power consumption (W) (Holding)	Temperature rise (°C) (Rated voltage)
		Inrush	Holding		
AC	50	53	18	7.5	60
	60	44	12	6	50

Symbol



When the valve is closed, flow is blocked from port 1 to port 2. However, if the pressure in port 2 is higher than port 1, the valve will not be able to flow from port 2 to port 1.

How to Order

VXH2230 – 02 – 1 G □ – □ – □

2 port valve for high pressure

Valve/Body

0	Normally Closed/Single unit

Port size

02	Rc 1/4
03	Rc 3/8
04	Rc 1/2

Rated voltage

1	100 VAC 50/60 Hz
2	200 VAC 50/60 Hz
3	110 VAC 50/60 Hz
4	220 VAC 50/60 Hz
7	240 VAC 50/60 Hz
8	48 VAC 50/60 Hz
9	Other (Only AC)

Electrical entry

G	Grommet
C	Conduit
D	DIN terminal
T	Conduit terminal

∗ Refer to the table (1) given below for availability.

Electrical option

Nil	None
S	With surge voltage suppressor
L	With indicator light
Z	With light/surge voltage suppressor

∗ Refer to the table (1) given below for availability.

Bracket

Nil	None
B	With bracket

CE-compliant

Nil	—
Q	CE-compliant

∗ For DIN terminal only

⚠ Caution

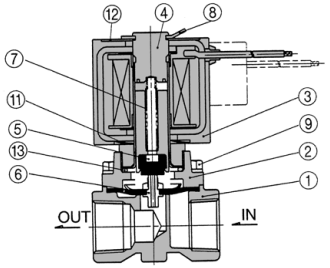
Be sure to read this before handling the products.
Refer to back page 50 for Safety Instructions and pages 17 to 19 for 2 Port Solenoid Valve for Fluid Control Precautions.

Table (1) Rated Voltage-Electrical Entry-Electrical Option

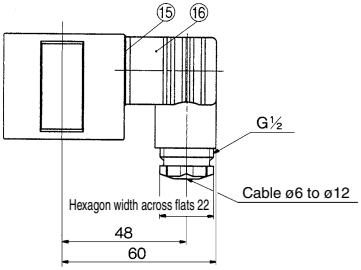
Insulation type		Class B			
Electrical entry		G	C	D, T	
Electrical option		S Note)	–	S	L, Z
AC	**1** (100 V)	●	●	●	●
	2 (200 V)	●	●	●	●
	3 (110 V)	●	●	●	●
	4 (220 V)	●	●	●	●
	7 (240 V)	●	●	●	–
	8 (48 V)	●	●	●	–

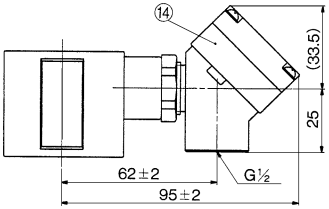
Note) Surge voltage suppressor is attached in the middle of lead wire.

Construction/Dimensions

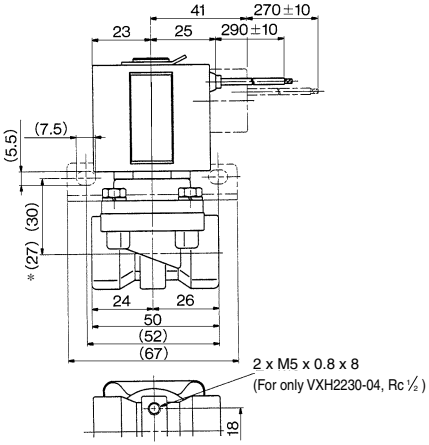


No.	Description	Material	Note
1	**Body**	C37	
2	**Bonnet**	C37	
3	**Coil assembly**	Epoxy mold	Class B insulation
4	**Core assembly**	Stainless steel, Cu	
5	**Armature assembly**	Stainless steel, NBR	
6	**Diaphragm assembly**	Stainless steel, NBR	
7	**Return spring**	Stainless steel	
8	**Retainer**	Stainless steel	
9	**Upset bolt**	Stainless steel	
10	**Bracket**	SPC	Option
11	**Wave washer**	Stainless steel	
12	**Name plate**	AL	
13	**O-ring**	NBR	
14	**Terminal assembly**	—	
15	**Seal**	CR	
16	**DIN terminal**	—	

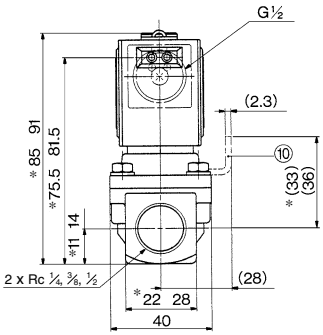




DIN terminal



Conduit terminal



∗ For Rc 1/4, 3/8