

Direct Operated 3 Port Solenoid Valve

VX31/32/33 Series

Applicable Fluid Check List



All Options (Single Unit)

Refer to page 382 and after for specifications and models.

VX3 ⁰
₂ - - 1 -
₄ ↓ Option symbol

Fluid and application	Option symbol	Seal material		Body material/ Shading coil material ^{Note 6)}	Guide pin material	Coil insulation type ^{Note 4)}	Note
		Main valve poppet	Fixed sealant				
Air	NII	NBR	NBR	Brass (C37)	PPS	B	
	G			Stainless steel			
Medium vacuum, Non-leak, Oil-free	M ^{Note 1, 2)}	FKM	FKM	Stainless steel	PPS	B	
	V ^{Note 1, 2)}			Brass (C37)			
Water	NII	NBR	NBR	Brass (C37)	PPS	B	
	G			Stainless steel			
Heated water	E	EPDM	EPDM	Brass (C37)/Cu	Stainless steel	H	
	P			Stainless steel/Ag			
Oij ^{Note 3)}	A	FKM	FKM	Brass (C37)	PPS	B	
	H			Stainless steel			
	D			Brass (C37)/Cu	Stainless steel	H	
	N			Stainless steel/Ag			
Steam (Max.183°C)	S	FFKM	PTFE	Brass (C37)/Cu	Stainless steel	H	COM. only
	Q			Stainless steel/Ag			
Copper-free, Fluorine-free ^{Note 5)}	J	EPDM	EPDM	Stainless steel	PPS	B	
	P			Stainless steel/Ag			
Others	B	EPDM	EPDM	Brass (C37)	PPS	B	COM. only
	C			Stainless steel			
	K ^{Note 1, 2)}	FFKM	PTFE	Stainless steel	Stainless steel	B	COM. only, Oil-free

* If using for other fluids, please consult with SMC.

All Options (Manifold)*

Refer to page 384 and after for specifications and models.

VX3 ¹
₃ -00- 1
₅ ↓ Option symbol



Fluid and application	Option symbol	Seal material		Body material/ Shading coil material ^{Note 6)}	Guide pin material	Coil insulation type ^{Note 4)}
		Main valve poppet	Fixed sealant			
Air	NII	NBR	NBR	Brass (C37)	PPS	B
Medium vacuum, Non-leak, Oil-free	V ^{Note 1, 2)}	FKM	FKM	Brass (C37)	PPS	B
Oij ^{Note 3)}	A	FKM	FKM	Brass (C37)	PPS	B
	D			Brass (C37)/Cu	Stainless steel	H
Others	B	EPDM	EPDM	Brass (C37)	PPS	B
	E			Brass (C37)/Cu	Stainless steel	H

* Aluminum is only available with the material for a manifold base.

** If using for other fluids, please consult with SMC.

Note 1) The leakage amount (10⁻⁶ Pa·m³/s) of "V", "M" options are values when differential pressure is 0.1 MPa.

Note 2) "V", "M" and "K" options are for oil-free treatment.

Note 3) The dynamic viscosity of the fluid must not exceed 50 mm²/s.

Note 4) Coil insulation type Class H: AC spec. only, Class B/AC spec.: built-in full-wave rectifier type only

Note 5) The nuts (non-welded parts) are nickel plated on the Brass (C37) material.

Note 6) There is no shading coil attached to DC spec. or Class B/AC spec.