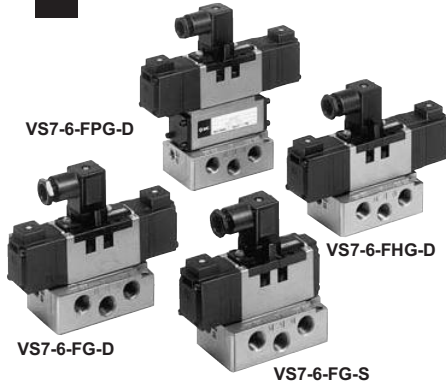


# ISO Interface Solenoid Valve/SIZE ① Metal Seal Series VS7-6



### Note:

Please note that single subplates and manifolds have changed colour from platinum silver to white as standard. Valves will remain platinum silver.

2 position	Single solenoid (FG-S)	Double solenoid (FG-D)	Reverse pressure (YZ-S)*	Reverse pressure (YZ-D)*
3 position	Closed centre (FHG-D)	Exhaust centre (FJG-D)	Double pilot check (FPG-D)	Pressure centre (FLG-D)*

\* Option

### Standard Specifications

Fluid	Air/Inert gas
Operating pressure	0.1 to 1.0MPa
Ambient and fluid temperature	5 to 60°C
Manual override	Non-locking style, Locking style*
Electrical entry	DIN connector
Lubrication	Non-lube If provided, use turbine oil (ISO, VG32)
Shock resistance (Vibration resistance) <sup>(1)</sup>	150/50 m/s <sup>2</sup>
Applicable sub-plate	VS7-1 (ISO size ①)



\* Option

Note) Shock resistance: No malfunction resulted from the impact test using a drop impact tester. The test was performed on the axis and right angle directions of the main valve and armature, for both energized and de-energized states. (Value in the initial stage.)  
Vibration resistance: No malfunction occurred in a one-sweep test between 8.3 and 2000 Hz. Test was performed at both energized and de-energized states to the axis and right angle directions of the main valve and armature. (Value in the initial stage.)

### Pilot Valve/Specifications

Part No.*	AXT511 <sup>A</sup> <sub>B</sub> -1 (V)	AXT511 <sup>A</sup> <sub>B</sub> -2 (V)	AXT511 <sup>A</sup> <sub>B</sub> -3 (V)	AXT511 <sup>A</sup> <sub>B</sub> -4 (V)
Rated voltage (V)	100V AC 50/60 Hz	200V AC 50/60 Hz	24V DC	12V DC
Inrush current (A)	0.049/0.043	0.024/0.021	0.075	0.15
Holding current (A)	0.031/0.020	0.015/0.01		
Allowable voltage (V)	85 to 110% of rated voltage			
Insulation	Class B (130°C) or equivalent			



\* A: With 2-M4 X 46 bolts for 2 position valve, B: With 2-M4 X 54 bolts for 3 position valve Note) Based on JIS C4003. (V): Pilot EXH individual style.

### Option/Interface regulator

Interface regulator model <sup>(1)</sup>	ARB250		
Applicable solenoid valve	VS7-6		
Regulation port	A	B	P
Proof pressure	1.5MPa		
Max. operating pressure	1.0MPa		
Set pressure range	0.1 to 0.83 Mpa		
Ambient and fluid temperature	5 to 60°C		
Pressure gauge port size	1/8		
Weight (kg)	0.55		
Air supply side eff. area S (P=0.7MPa, P1=0.5MPa) <sup>(2)</sup> (mm <sup>2</sup> )	P/A	15	16
	P/B	16	16
Air exhaust side eff. area S (P2=0.5MPa) <sup>(2)</sup>	A/EA	25 mm <sup>2</sup>	
	B/EB	18 mm <sup>2</sup>	



Note 1) Use "ABR210" for pressure centre style and reverse pressure style.  
Note 2) Synthesized effective area with 2 position single style solenoid valve.

### Accessories

Mounting bolt (with washer)	TA-B-5 X 35
Packing	AXT500-13
Indicator light	(Option)

### Optional Specifications

Surge voltage suppressor	Available
Reverse pressure	R1/R2 port: Pressure in R1=P1 pressure R2=P2 pressure, P1≠P2

### Model

No. of positions	Model	Effective area (With 1/8 sub-plate) (mm <sup>2</sup> ) (N/min)	Max. operating rate (1) (cycle/sec.)	Response time (2) (sec)	Weight (3) (kg)
2 (Single)	VS7-6-FG-S-□-Q	27 (1472.25)	20	0.025 or less	0.460
2 (Double)	VS7-6-FG-D-□-Q	27 (1472.25)	20	0.015 or less	0.560
3 (Closed centre)	VS7-6-FHG-D-□-Q	25.5 (1374.10)	10	0.045 or less	0.635
3 (Exhaust centre)	VS7-6-FJG-D-□-Q	27 (1374.10)	10	0.045 or less	0.635
3 (Pilot check)	VS7-6-FPG-D-□-Q	20 (1079.65)	10	0.05 or less	0.990



(1) Min. operating frequency is based on JIS B8375. (Once every 30 days) (3) Weight without sub-plate (Sub-plate: 0.37kg)  
(2) Based on JIS B8375-1975 (At 0.5MPa) (4) (1) and (2) are the rates in the condition of controlled clean air.

- SV
- SY
- SYJ
- SX
- VK
- VZ
- VF
- VFR
- VP7
- VQC
- SQ
- VQ
- VQ4
- VQ5
- VQZ
- VQD
- VFS
- VS
- VS7
- VQ7