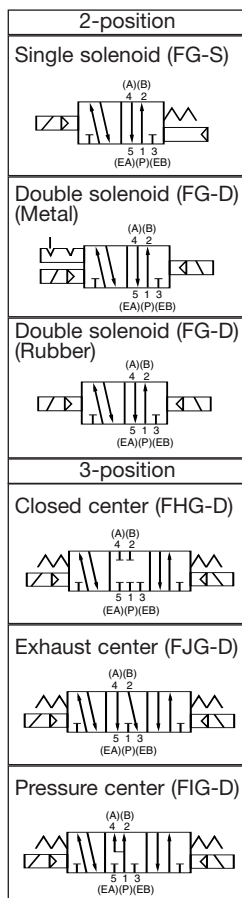




Size	Model	Seal	Effective area (mm ²) (Cv)	Response time (ms) ^{Note2)}			Weight ^{Note3)} g (lb)	Port size
				Single	Double	3 position		
1	VSR8-6	Rubber	36 (2.0)	30	30	50	552 (1.21)	1/4, 3/8, 1/2
	VSS8-6	Metal	32 (1.8)	25	20	45		
2	VSR8-8	Rubber	72 (4.0)	50	50	70	824 (1.81)	3/8, 1/2, 3/4
	VSS8-8	Metal	65 (3.6)	40	20	55		
3	VSR8-10	Rubber	97 (5.4)	80	50	95	1000 (2.21)	1/2, 3/4, 1
	VSS8-10	Metal	90 (5.0)	50	25	60		

Note 3) Single solenoid type without base



			Rubber Seal	Metal Seal
Valve operation			Pilot operated, 5 port	
Fluid			Air, Inert gas	
Operating pressure range MPa (psi)			0.1~1.0 (14.5~145)	0.1~1.6 (14.5~230) ^{Note1)}
Proof pressure MPa (psi)			1.5 (217)	2.4 (348)
Ambient and fluid temperature C° (°F) ^{Note2)}			-5~50 (23~122)	-20~60 (-4~140)
Maximum operating ^{Note3)} frequency cycle/Sec.	2-position		8-6:5, 8-8:5, 8-10:5	8-6:20, 8-8:15, 8-10:10
	3-position		8-6:3, 8-8:3, 8-10:2	8-6:10, 8-8:10, 8-10:20
Lubrication			Not required	
Manual override			non-locking push type	
Protection structure			NEMA 4/IP65	
Coil rated voltage			24VDC, 12VDC	
Allowable voltage range %			-15~10% of rated voltage	
Coil insulation			Class B or equivalent	
Apparent power VA ^{Note3)} For 12 VDC	Inrush	50Hz	5.6	
		60Hz	5.0	
	Holding	50Hz	3.4	
		60Hz	2.3	
Apparent power VA ^{Note3)} For 24 VDC	Inrush		N/A	
	Holding		.075 AMPS	
Power consumption W			1.8	
Surge voltage suppressor and indicator light			Available as option	

Note 3) Subject to JISB8375-1975.

HOW TO ORDER VALVE

VS R 8 - 6 - FG - S - 3EZ - V1 A03T - X1

Type of seal

R	Rubber
S	Metal

Size

6	Size 1
8	Size 2
10	Size 3

Configuration

FG	2-position
FHG	3-position, Closed center
FJG	3-position, Exhaust center
FIG	3-position, Pressure center
YHZ	3-position, Dual Closed center
* YIZ	3-position, Dual Pressure center
* YJZ	3-position, Dual Exhaust center
YZ	2-position, Dual Pressure

* YIZ - 3 Position, Dual Exhaust Center
* YJZ - 3 Position, Dual Pressure Center
Note: When used with Dual Sandwich Regulator

Number of Solenoid

S	Single
D	Double

Rated voltage

3EZ	24VDC
4EZ	12VDC

* Consult an SMC representative for other voltage options.
Note: Blue Colour Coded Coil for 24VDC

Special Options

NIL	Standard
X1	External Pilot Supply

Subplate (NPTF)

NIL	Without Subplate
A02T	Side 1/4 For VSR/S8-6
A03T	Side 3/8 For VSR/S8-6, 8-8
A04T	Side 1/2 For VSR/S8-6, 8-8, 8-10
A06T	Side 3/4 For VSR/S8-8, 8-10
A10T	Side 1 For VSR/S8-10
B02T	Bottom 1/4 For VSR/S8-6
B03T	Bottom 3/8 For VSR/S8-8
B04T	Bottom 1/2 For VSR/S8-10

Pilot Exhaust Options

NIL	Pilot Exh. through footprint
V1	External Individual Pilot Exhaust

HOW TO ORDER ISO SUB-BASES

VS8 - 1 - A03 T - XG

ISO SIZE

1	ISO 1
2	ISO 2
3	ISO 3

4-PIN EURO CONNECTOR

X6
X11
X53

* For wiring options, please refer to page 13 for more information.

OPTIONS

NIL	
XG	ISO 1179-1 THREAD SPEC

PORT THREAD

NIL	RC(PT)
T	NPTF
F	G(PF)

P, EXH. PORT LOCATION

P, EXH. PORT	LOCATION
A02	1/4" SIDE
B02	1/4" BOTTOM
A03	3/8" SIDE
B03	3/8" BOTTOM
A04	1/2" SIDE
B04	1/2" BOTTOM
A06	3/4" SIDE
A10	1" SIDE

ISO SUB BASES WITH 4-PIN CONNECTORS

DESCRIPTION	PART#
VS8-1-A03T with 4 pin micro-connector	US15893
VS8-2-A04T with 4 pin micro-connector	US2249
VS8-3-A06T with 4 pin micro-connector	US18552