

ISO Standard Solenoid Valve

Size 1, 2, 3/Single Unit

Series *EVS7-6/7-8/7-10*

How to Order

Valve

EVS7-6-FG-S-3 **M0**

Size

6	Size 1
8	Size 2
10	Size 3

Passage symbol

FG	
FHG	
FJG	
FIG	
FPG*	

Number of solenoids

S	Single
D	Double

Rated coil voltage

3	24 VDC
4	12 VDC
9	Voltage other than above (50 VDC or less)

Option

Nil	None
Z	Light/Surge voltage suppressor

Thread type

Nil	Rc
F	G
T	NPTF

Port size

Symbol	Piping specifications	Size 1	Size 2	Size 3
Nil	Without sub-plate	○	○	○
A02	Side-ported 1/4	○		
A03	Side-ported 3/8	○	○	
A04	Side-ported 1/2		○	○
A06	Side-ported 3/4		○	○
A10	Side-ported 1			○
B02	Bottom-ported 1/4	○		
B03	Bottom-ported 3/8	○	○	
B04	Bottom-ported 1/2		○	○
B06	Bottom-ported 3/4		○	○

Sealing type

Nil	Metal seal
R	Rubber seal

* Available for 7-6 and 7-8 only

Sub-plate

VS7-1-A02

Size

1	Size 1
2	Size 2
3	Size 3

Port size

Symbol	Piping specifications	Size 1	Size 2	Size 3
A02	Side-ported 1/4	○		
A03	Side-ported 3/8	○	○	
A04	Side-ported 1/2		○	○
A06	Side-ported 3/4		○	○
A10	Side-ported 1			○
B02	Bottom-ported 1/4	○		
B03	Bottom-ported 3/8	○	○	
B04	Bottom-ported 1/2		○	○
B06	Bottom-ported 3/4		○	○

Thread type

Nil	Rc
F	G
T	NPTF

Specifications

Model	Piping specifications			Weight (kg)
	Piping direction	Port size for 1(P), 2(B), 4(A)	Port size for 3(R2), 5(R1)	
VS7-1-A02	Horizontal	1/4	3/8	0.37
VS7-1-A03		3/8		
VS7-1-B02	Bottom	1/4	3/8	
VS7-1-B03		3/8		
VS7-2-A03	Horizontal	3/8		0.68
VS7-2-A04		1/2		
VS7-2-A06		3/4		1.29
VS7-2-B03	Bottom	3/8		0.68
VS7-2-B04		1/2		
VS7-2-B06		3/4		1.29
VS7-3-A04	Horizontal	1/2	3/4	1.50
VS7-3-A06		3/4		
VS7-3-A10	Bottom	1	3/4	
VS7-3-B04		1/2		
VS7-3-B06		3/4		

Series EVS7-□

Model

Series EVS7-6



Positions			Bore size	Flow characteristics					
				1 → 4, 2 (P → A, B)			4, 2 → 5, 3 (A, B → EA, EB)		
				C	b	Cv	C	b	Cv
2 position	Single	Metal seal	1/4	4.1	0.10	0.9	5.2	0.07	1.1
		Rubber seal		5.0	0.13	1.1	6.0	0.11	1.4
	Double	Metal seal		4.1	0.10	0.9	5.2	0.07	1.1
		Rubber seal		5.0	0.13	1.1	6.0	0.11	1.4
3 position	Closed center	Metal seal		4.1	0.10	0.9	5.2	0.10	1.1
		Rubber seal		5.0	0.13	1.1	5.6	0.20	1.3
	Exhaust center	Metal seal		4.1	0.10	0.9	5.2	0.10	1.1
		Rubber seal		4.8	0.16	1.1	6.0	0.17	1.4
	Pressure center	Metal seal		4.1	0.10	0.9	5.2	0.08	1.1
		Rubber seal		5.6	0.15	1.2	5.9	0.08	1.3
	Perfect type	Metal seal		1.4	—	—	3.1	—	—
		Rubber seal		1.4	—	—	3.1	—	—

Series EVS7-8



Positions			Bore size	Flow characteristics					
				1 → 4, 2 (P → A, B)			4, 2 → 5, 3 (A, B → EA, EB)		
				C	b	Cv	C	b	Cv
2 position	Single	Metal seal	3/8	10	0.18	2.4	12	0.24	3.0
		Rubber seal		12	0.24	3.0	13	0.27	3.3
	Double	Metal seal		10	0.18	2.4	12	0.24	3.0
		Rubber seal		12	0.24	3.0	13	0.27	3.3
3 position	Closed center	Metal seal		10	0.28	2.4	10	0.24	2.4
		Rubber seal		11	0.25	2.8	11	0.27	2.8
	Exhaust center	Metal seal		10	0.16	2.4	10	0.20	2.4
		Rubber seal		11	0.26	2.8	13	0.27	3.3
	Pressure center	Metal seal		10	0.26	2.4	11	0.25	2.8
		Rubber seal		13	0.27	3.3	12	0.29	3.0
	Perfect type	Metal seal		7.2	—	—	7.0	—	—
		Rubber seal		7.2	—	—	7.0	—	—

Series EVS7-10



Positions			Bore size	Flow characteristics					
				1 → 4, 2 (P → A, B)			4, 2 → 5, 3 (A, B → EA, EB)		
				C	b	Cv	C	b	Cv
2 position	Single	Metal seal	1/2	13	0.10	3.0	18	0.10	4.0
		Rubber seal		16	0.20	4.0	18	0.20	4.4
	Double	Metal seal		13	0.10	3.0	18	0.10	4.0
		Rubber seal		16	0.20	4.0	18	0.20	4.4
3 position	Closed center	Metal seal		13	0.10	3.0	18	0.10	4.0
		Rubber seal		15	0.20	3.5	15	0.20	3.7
	Exhaust center	Metal seal		13	0.10	3.0	18	0.10	4.0
		Rubber seal		16	0.20	4.0	16	0.20	4.0
	Pressure center	Metal seal		13	0.10	3.0	18	0.10	4.0
		Rubber seal		15	0.20	3.8	19	0.10	4.4