

SOLENOID VALVES FOR REFRIGERANT

Type **SEV**

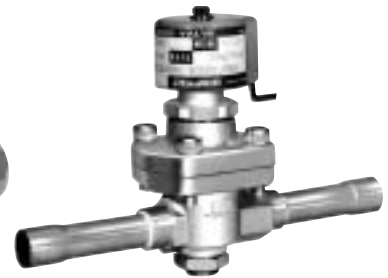
SAGInoMIYA

GENERAL DESCRIPTION

- Pilot operated, 2-way, normally closed valve.
- For non-corrosive refrigerant (liquid or gas) in refrigeration units. Also available for air application.
- Can operate under no pressure difference. (SEV-502 and 603)
- Can install horizontally and vertically. (Coil should be located above the axis of pipe line.)



Type SEV-B



Type SEV-D

TYPE NUMBER SELECTION (SPECIFICATIONS)

Unit: MPa {kgf/cm²}

Catalog No.	Port Size (mm)	Cv Value	* Nominal Capacity (Refrigerants in Liquid) (U.S.R.T.)		Connection		O.P.D.		Max. Working Press.	Body Test Press.	Fluid Temp. (°C)	Ambient Temp. (°C)	Wt. (kg)
			R134a	R22	Copper pipe (O.D.)	Style	Min.	Max.					
SEV-502BXF	5	0.51	2.1	2.3	1/4"	Flare	0	2.45 {25} for AC	X: 2.94 {30}	X: 4.41 {45}	-40 to 125	-30 to 50	0.4
SEV-502BYF													
SEV-603BXF	6	0.80	3.3	3.6	3/8"		0						
SEV-603BYF													
SEV-1004BXF	10	1.75	7.3	7.8	1/2"		0.007 {0.07}						
SEV-1004BYF													
SEV-1205BXF	12	2.9	12.1	13.0	5/8"		0						
SEV-1205BYF													
SEV-1506BXF	15	4.5	18.8	20.1	3/4"		0						
SEV-1506BYF													
SEV-502DXF	5	0.53	2.2	2.4	1/4"	Solder	1.96 {20} for DC	Y: 4.2 {42}	Y: 6.3 {63}	-40 to 125	-30 to 50	0.3	
SEV-502DYF													
SEV-603DXF	6	0.83	3.5	3.8	3/8"		0.007 {0.07}						
SEV-603DYF													
SEV-1004DXF	10	2.0	8.3	8.9	1/2"		0.007 {0.07}						
SEV-1004DYF													
SEV-1205DXF	12	3.5	14.6	15.6	5/8"		0.007 {0.07}						
SEV-1205DYF													
SEV-1506DXF	15	5.3	22.1	23.7	3/4"		0.007 {0.07}						
SEV-1506DYF													

* Nominal capacities are based on $\Delta P=0.014710$ MPa {0.15 kgf/cm²}, condensing temp. =38°C and evaporating temp. =5°C.

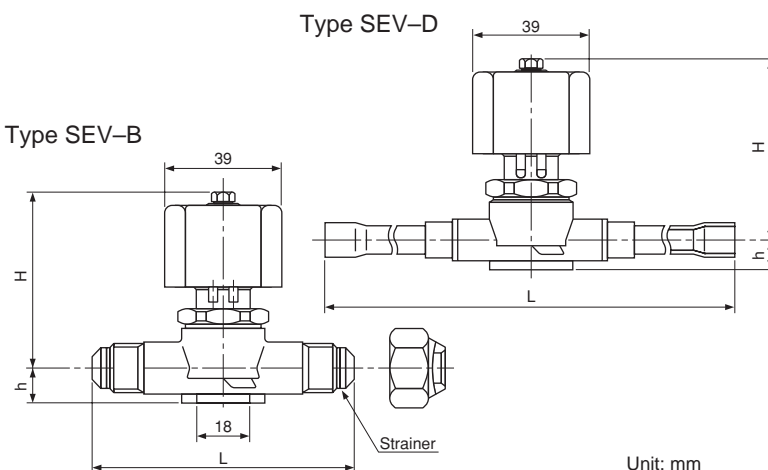
• Weight includes a coil

ELECTRICAL RATING OF SOLENOID COILS

Rated Voltage	Tolerance (%)	Voltampere (VA)		Power Consumption (W)	Insulation Class	
		Running	Inrush			
24V.AC, 100V.AC, 110V.AC 200V.AC, 220V.AC, 240V.AC	50/60Hz	±10	15/11	45/33	7/6	Class B Molded
12V. DC, 24V. DC, 100V. DC	—		—	—		

Current (A)=Voltampere / Rated Voltage

DIMENSIONS



Unit: mm

Catalog No.	Unit: mm			
	L	H	h	
SEV-	502B	85	58	11.5
	603B			
	1004B	105	85	20.5
	1205B	115	88	22
	1506B	135	95	25
	502D	270	58	10.5
	603D			
	1004D	160	85	20.5
	1205D	180	88	22
	1506D	190	95	25