SOLENOID VALVES FOR REFRIGERANT
High Volume OEM Item

Type TEV & VPV

SAGINOMIYA

GENERAL DESCRIPTION

- Direct-operated, pilot operated, 2-way, normally closed valve. Normally open type is available.
- For use with non-corrosive refrigerant.
- Compactly designed for use in small appliances produced in quantity such as room air conditioners, dehumidifiers and ice making machines.
- Various piping configuration available.

Type VPV

Type TEV

SPECIFICATIONS

- Fluid temperature: −30 to 120°C
- Ambient temperature: −30 to 50°C

TYPE NUMBER SELECTION

Unit: MPa {kgf/cm²}

Catalog No.	Port Size (mm)	Cv Value	Connection		O.P.D.		Max. Working Pressure	Operation	Wt. (kg)
			Copper Tube O.D.	Style	Min.	Max.			
TEV–S1220D	1.2	0.037	1/4"	Solder	0	3.6 {36.7}	4.3 {43.8}	Normal Close	0.025
TEV–S1620D	1.6	0.07							
TEV–S1920D	1.9	0.1				2.75 {28}			
VPV–L202D	1.8	0.07	1/4"		0	2.06 {21}		Normal Open	0.06
VPV–603D	5.8	0.65	5/16"		0.005 {0.05}	3.6 {36.7}		Normal Close	0.08
VPV–803DQ50	7.8	1.5	3/8"		0.01 {0.1}	2.75 {28}			0.14
VPV–1204DQ50	11.0	3.0	1/2"		0.015 {0.15}				0.26

・ O.P.D.: Operating Pressure Differential (by air pressure)

ELECTRICAL RATING OF SOLENOID COILS

Type	Rated Voltage		Tolerance (%)	Voltampere		Power Consumption (W)	Insulation Class	Wt. (kg)
				Running	Inrush			
TEV	24V. AC 100V. AC 110V. AC 120V. AC	50/60Hz	±10	9/7	22/16	4.5/3.5	* Class B Molded	0.1
VPV	208V. AC 220V. AC 230V. AC 240V. AC			13/10	36/30	8/7		0.14

Current (A) = Voltampere / Rated Voltage

* IEC compliance

DIMENSIONS

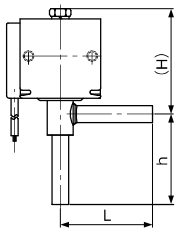

figure 1

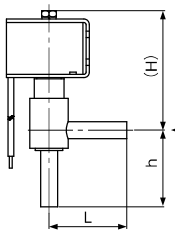

figure 2

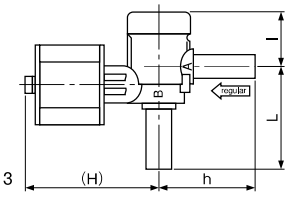

figure 3

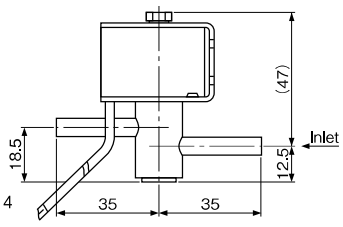

figure 4

Catalog No.		Unit: mm				Form
		L	H	h	l	
TEV–	S1220D S1620D S1920D	35	40	33	—	figure 1
VPV–	603D	36.5	55	36	—	figure 2
	803D	41.5	53.5	38.5	22.5	figure 3
	1204D	61.5	57.5	61.5	28.5	
	L202D	—	—	—	—	figure 4

Unit: mm