

SOLENOID VALVES FOR REFRIGERANT

Type **TEV & VPV**

High Volume OEM Item



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.
- UL Recognized

SAGInoMIYA

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SPECIFICATIONS

- Fluid temperature: —22 to 248°F {—30 to 120°C}
- Ambient temperature: —22 to 122°F {—30 to 50°C}

TYPE NUMBER SELECTION

Unit : psi{MPa}

Catalog No.	Port Size Inch[mm]	Cv Value	Nominal Capacity (kW) { U.S.R.T. }				Connection		O.P.D.		Max. Working Pressure	Operation	Wt. (lb) ([kg])	
			R410A	R134a	R404A	R22	Copper Tube O.D.	Style	Min.	Max.				
TEV-S1220DU0	0.05[1.2]	0.037	0.6{0.2}	0.5{0.1}	0.4{0.1}	0.6{0.2}	1/4"	Solder	0	522{3.6}	623 {4.3}	Normal Close	0.06 [0.025]	
TEV-S1620DU0	0.06[1.6]	0.07	1.0{0.3}	1.0{0.3}	0.7{0.2}	1.1{0.3}				399{2.75}				
TEV-S1920DU0	0.07[1.9]	0.1	1.3{0.4}	1.3{0.4}	0.9{0.3}	1.4{0.4}			0	299{2.06}		Normal Open	0.13{0.06}	
VPV-L202DU	0.07[1.8]	0.07	1.0{0.3}	1.0{0.3}	0.7{0.2}	1.1{0.3}	1/4"			522{3.6}		Normal Close	0.18{0.08}	
VPV-303DU1	0.12{3.0}	0.21	3.1{0.9}	3.1{0.9}	2.2{0.6}	3.3{0.9}	5/16"		0.7{0.005}	522{3.6}				
VPV-603DU	0.23{5.8}	0.65	9.7{2.8}	9.6{2.7}	6.7{1.9}	10.3{2.9}								
VPV-803DU50	0.31{7.8}	1.5	22.4{6.4}	22.2{6.3}	15.4{4.4}	23.8{6.8}	3/8"	1/2"	1.5{0.01}	399{2.75}		0.31{0.14}	0.57{0.26}	
VPV-1204DU50	0.43{11.0}	3.0	44.8{12.7}	44.4{12.6}	30.9{8.8}	47.6{13.5}	1/2"		2.2{0.015}					

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

Nominal capacities are based on ΔP = 0.015 MPa, condensing temp. = 38°C and evaporating temp. = 5°C

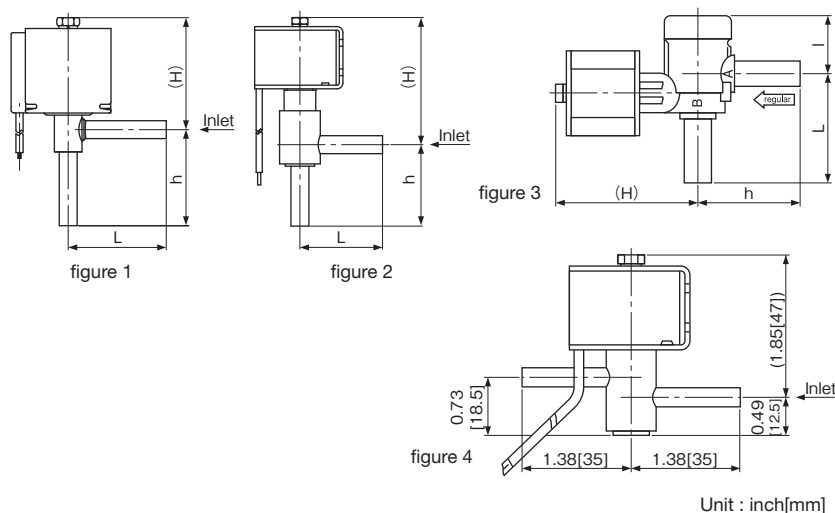
ELECTRICAL RATING OF SOLENOID COILS

Type	Rated Voltage		Tolerance(%)	Voltampere		Power Consumption (W)	Insulation Class	Wt. (lb) ([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	0.22 [0.1]
VPV	208V. AC 220V. AC 230V. AC 240V. AC			13/10	36/30	8/7		0.31 [0.14]

Current (A) = Voltampere / Rated Voltage

* IEC compliance

DIMENSIONS



Catalog No.		Unit : inch[mm]				Form
		L	H	h	l	
TEV-	S1220D					figure 1
	S1620D	1.38 [35]	1.69 [43]	1.30 [33]	—	
	S1920D					
VPV-	303D	1.44 [36.5]	2.17 [55]	1.42 [36]	—	figure 2
	603D					figure 3
	803D	1.63 [41.5]	2.11 [53.5]	1.52 [38.5]	0.89 [22.5]	
	1204D	2.42 [61.5]	2.26 [57.5]	2.42 [61.5]	1.12 [28.5]	
	L202D	—	—	—	—	figure 4



NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.

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