

BI-FLOW SOLENOID VALVES

High Volume OEM Item

Type **BPV**



GENERAL DESCRIPTION

- Bi-flow controlling applicable. Developed for the purpose of simplification of complicated refrigeration circuit.
- Not only for ordinary refrigeration circuit, suitable for flow change of heat exchanger on multi type heat pump air conditioner.



Type BPV-A

SPECIFICATIONS

- Fluid temperature: - 30 to 120°C
- Ambient temperature: - 20 to 60°C

TYPE NUMBER SELECTION

Catalog No.	* Fluid	Port Size (mm)	Cv Value	Bleed Cv Value B → A	* Nominal Capacity (U.S.R.T.) {kw}				Connection		Operation Pressure Differential (MPa)		Max. Working Pressure (MPa)	Wt. (kg)	
					R410A	R134a	R404A	R22	Style	Copper Tube O.D.	Min.	Max.			
BPV-	803ADY	Refrigerant	7.8	1.5	Less Than 0.01	6.4 {22.4}	6.3 {22.2}	4.4 {15.4}	6.8 {23.8}	Solder	3/8"	0.01	2	4.2	0.33
	1204ADY		11	2.9		Less Than 0.013	12.3 {43.3}	12.2 {42.9}	8.5 {29.8}		13.1 {46.0}				
	1706ADY		17	6.6	28 {98.5}		27.8 {97.7}	19.3 {67.98}	29.8 {104.7}		3/4"	0.015			

* Gas line only

- Bleeding will happen when pressure of B side is higher than A side.
- Weight includes a coil

ELECTRICAL RATING OF SOLENOID COILS

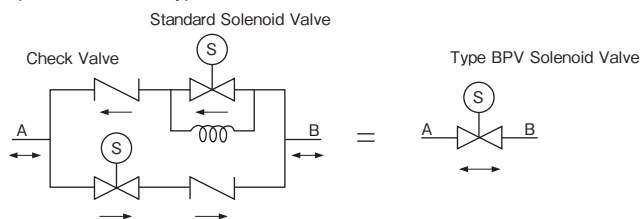
Port Size (mm)	Rated Voltage	Tolerance (%)	Voltampere (VA)		Power Consumption (W)	Insulation Class	
			Running	Inrush			
7.8, 11	100V.AC, 200V.AC 220V.AC, 240V.AC	50/60Hz	± 10	12/10	36/30	6/5	* Class B Molded
17				17/14	51/42		

• Current (A)=Voltampere / Rated Voltage

* IEC compliance

Function of Bi-flow Solenoid Valve

Equivalent circuit of type BPV Bi-flow Solenoid Valve is as follow.



DIMENSIONS

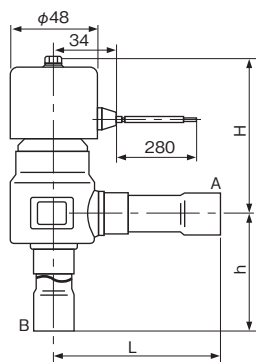


figure 1 Unit: mm

Catalog No.	Unit: mm			Form	
	L	H	h		
BPV-	803ADY	48	76	48	figure 1
	1204ADY	61	69	60	
	1706ADY	91	85	82	