High Volume OEM Item

BI-FLOW SOLENOID VALVES High Volume OEM Item

Type **BPV**

S/JGInoMJ/J

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.

SPECIFICATIONS

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



Type BPV–A

Type BPV–D

TYPE NUMBER SELECTION

Catalog No.		* Fluid	Port Size (mm)	Cv Value	Bleed Cv Value B → A	Connection		Operation Pressure Differential (MPa)		Max. Working Pressure	Wt.
						Style	Copper Tube O.D.	Min.	Max.	(MPa)	(KG)
BPV-	803ADY	- Refrigerant	7.8	1.5	Less Than 0.01	- Solder	3/8"	0.01	2	4.2	0.31
	1204ADY		11	2.9	Loss Then 0.012		1/2"				0.45
	1706ADY		nt 17	6.6	Less mail 0.013		3/4"	0.015			0.9
	1706D			4.4	Less Than 0.015					3.0	1.3
	2210D		22	8.6	Loop Then 0.02]	1"				2.2
	2514D		(25)	12	Less man 0.02		1-1/2"				3.5

* Gas line only

· Bleeding will be happen when pressure of B side is higher than A side.

· Weight includes a coil

ELECTRICAL RATING OF SOLENOID COILS

Port Size	Pated	Tolerance	Voltamp	oere (VA)	Power Consumption	Insulation Class		
(mm)	naleu	voltage	(%)	Running	Inrush	(VV)	Insulation Class	
7.8, 11	100V.AC, 200V.AC	50/60Hz	±10	12/10	36/30	6/5	* Class B	
17, 22 (25)	220V.AC, 240V.AC			17/14	51/42	7.5/6	Molded	
Current (A)=Voltampere / Rated Voltage * IEC compliance								

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· Current (A)=Voltampere / Rated Voltage

Function of Bi-flow Solenoid Valve

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

Standard Solenoid Valve





DIMENSIONS

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Cata			Form			
Gala	iog No.	L	Н	h	TOM	
	803ADY	48	76	48	figure 1	
	1204ADY	61	77	60		
PDV	1706ADY	91	85	82		
DFV-	1706D	185	100	13	figure 2	
	2210D	230	111.5	17.5		
	2514D	260	116.5	21.5		