

ELECTRIC EXPANSION VALVE FOR CO₂ REFRIGERANT / Type HPV-E



Type HPV-E

High Volume OEM Item

Drawings must be exchanged for purchase. Please contact SAGINOMIYA for more details.

Coil sold separately

FEATURE

- High durability (35 million times) achieved by special design.
- High quietness
- No liquid supply solenoid valve is required by valve closing during stopped power supply.
- The duty control performs precise control of pumping liquid.
- Built-in strainer

APPLICATIONS

- CO₂ Display cases, etc.

COMMON SPECIFICATION

- Fluid Temperature : -40 ~ 30°C
- Ambient temperature : -30 ~ 50°C

DESCRIPTION OF CATALOG NO.

HPV-E - 11 20 D Q1
I II III IV V

I	Type
II	(Port Size)
III	Connection tube O.D.
IV	Connection type
V	Serial number

* Coil is not included with the body.

TYPE NUMBER SELECTION

Catalog No.		Orifice size (mm)	Cv Value	Connection		O.P.D. (MPa)		Max. working pressure (MPa)	* Wt. (kg)
Type	Model			Style	Connection size	Min.	Max.		
HPV	E1120DQ1	0.5	0.01	Copper tube solder (ODM)	1/4"	0	6.0	8.0	0.08
	E1120DQ2	0.65	0.019						
	E1120DQ3	0.8	0.03						
	E1120DQ4	1.1	0.047						

* Valve only (without coil)

COIL SELECTION

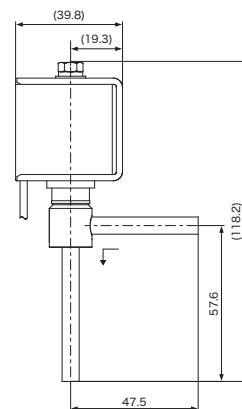
Rated Voltage	Frequency (Hz)	Tolerance (%)	Voltampere (VA)	Power consumption (W)	Insulation Class	* 2 Wt. (kg)
100V.AC	50/60	± 10	37	12	Class B Molded * 1	0.15
200V.AC			58			

* 1 Compliant with IEC60085, 60335-2-40. Some models are of Class E Molded. Please contact us for details.

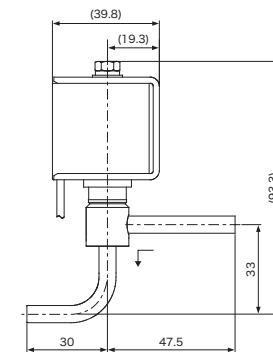
* 2 For lead wire length of 600mm.

• Built-in diode bridge in coil

DIMENSIONS



Type HPV-E1120DQ1 to 4



Line connection type

Unit : mm

* Line connection type is also available. Please contact us for details.