

EXPANSION VALVE

Description:

- Wide range of evaporation temperature
- Interchangeable orifice
- The nominal cooling capacity of R22 is 0.5~15.5kw
- Orifice can be changeable according to the refrigerant
- Max. test pressure:36bar
- Allow working pressure:28bar
- For Refrigerant R12,R22,R134A,R404A,R407C,R502



PRODUCT SPECIFICATION

Refrigerant	Code	Equation	Capillary(m)	Connection size InletxOutlet	
				in.	mm
R22	X2	Internal	1.5	3/8x1/2	10x12
	EX2	Extornal	1.5	3/8x1/2	10x12
R134a	N2	Internal	1.5	3/8x1/2	10x12
	EN2	Extornal	1.5	3/8x1/2	10x12
R404A/R507	S2	Internal	1.5	3/8x1/2	10x12
	ES2	Extornal	1.5	3/8x1/2	10x12
R12	F2	Internal	1.5	3/8x1/2	10x12
	EF2	Extornal	1.5	3/8x1/2	10x12
R502	Y2	Internal	1.5	3/8x1/2	10x12
	EY2	Extornal	1.5	3/8x1/2	10x12
R407C	Z2	Internal	1.5	3/8x1/2	10x12
	EZ2	Extornal	1.5	3/8x1/2	10x12

TALBE OF CHOICE FOR ORIFICE

Code	Normal Capacity, cold tons(TR)					Normal Capacity, KW			
	R22	R407C	R134a	R12	R404A/R507	R22	R407C	R12	R404A/R507
OX	0.15	0.16	0.11		0.11	0.5	0.5		0.38
0	0.3	0.3	0.25	0.2	0.21	1	1.1	0.7	0.7
1	0.7	0.8	0.5	0.3	0.45	2.5	2.7	1	1.6
2	1	1.1	0.8	0.5	0.6	3.5	3.8	1.7	2.1
3	1.5	1.6	1.3	1	1.2	5.2	5.6	3.5	4.2
4	2.3	2.5	1.9	1.5	1.7	8	8.6	5.2	6
5	3	3.2	2.5	2	2.2	10.5	11.3	7	7.7
6	4.5	4.9	3	3	2.6	15.5	16.7	10.5	9.7

EXPANSION VALVE



Description:

- This series expansion valve is usually applied in air conditioners and varius refrigerating devices. Using the design of huge & flat stainless steel film and the base of the valve needle which make needle matching valve port accurately. tightness. It can provide best performance for air conditioners and various refrigerating equipments The welded tube & valve boby both adopt high strength silver welding which can be avoid leakage effectively.
- Max. test pressure:36bar
- Allow working pressure: 28bar
- Length of standard capillary tube: 152cm(60inches)

PRODUCT SPECIFICATION

Type	Equation	Capillary(cm)	Refrigerant Capacity (38 C -7 C , R22, Ton)	InletxOutlet	Equation Size
FV-1-C	Internal	76.2	1.09	1/4"x3/8"SAE	1/4" SAE
FV-1.1/2-C	Internal	76.2	1.74	3/8"x1/2"SAE	1/4" SAE
FV-2-C	Internal	76.2	2.18	3/8"x1/2"SAE	1/4" SAE
FVE-1/2-C	Internal	76.2	0.49	1/4"x3/8"SAE	1/4" SAE
FVE-1-C	Internal	76.2	1.09	1/4"x3/8"SAE	1/4" SAE
FVE-1.1/2-C	Internal	76.2	1.74	3/8"x1/2"SAE	1/4" SAE
FVE-2-C	Internal	76.2	2.18	3/8"x1/2"SAE	1/4" SAE
FVE-3-C	Internal	76.2	3.49	3/8"x1/2"SAE	1/4" SAE
FVE-5-C	Internal	76.2	5.67	3/8"x1/2"SAE	1/4" SAE
SVE-5-C	Internal	152	5.67	1/2"x7/8"ODF	1/4" ODF
SVE-8-C	Internal	152	8.72	5/8"x7/8"ODF	1/4" ODF
SVE-10-C	Internal	152	10.9	5/8"x7/8"ODF	1/4" ODF
SVE-15-C	Internal	152	15.5	7/8"x1-1/8"ODF	1/4" ODF
OVE-15-C	Internal	152	15.5	7/8"x1-1/8"ODF	1/4" ODF
OVE-20-C	Internal	152	23	7/8"x1-1/8"ODF	1/4" ODF
FVE-3-CP100	Internal	76.2	3.5	3/8"x1/2"SAE	1/4" SAE
FVE-5-CP100	Internal	76.2	5.7	3/8"x1/2"SAE	1/4" SAE
SVE-5-CP100	Internal	152	5.7	1/2"x7/8"ODF	1/4" ODF
SVE-8-CP100	Internal	152	8.7	5/8"x7/8"ODF	1/4" ODF
SVE-10-CP100	Internal	152	10.9	5/8"x7/8"ODF	1/4" ODF
SVE-15-CP100	Internal	152	15.9	7/8"x1-1/8"ODF	1/4" ODF