

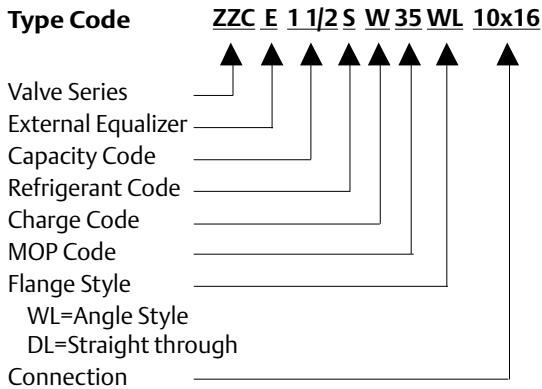
Thermo™ -Expansion Valve Series ZZ

for Low Evaporating Temperatures between -45 and -120°C

Features

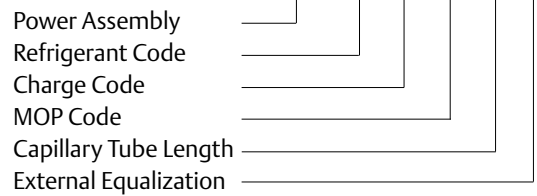
- Modular design for economical logistics and easy assembly and servicing
- Very good stability is attained because of the large forces generated by the large diaphragm diameter
- High-quality materials and processes for high reliability and long lifetime
- Capillary tube length 3 m
- PS: 31 bar. TS: -120 ... +65°C
- No CE marking according art. 3.3 PED 97/23 EC

Type Code



ZZCE

XC 726 S W 35 - 2 B



Available upon special request:

- Power assembly with solder connection for external pressure equalization
- Non-standard MOPs
- Non-standard charges
- Non-standard connection sizes (Selection see last page of this chapter)

Series	R23		R404A / R507		R448A/ R449A		Orifice	Connection Standard-Flange, Angle Solder/ODF		Power Assembly
	Type	Nominal Capacity (kW)	Type	Nominal Capacity (kW)	Type	Nominal Capacity (kW)		mm	inch	
	ZZCE	2 BG	1.9	2/4 SW	1.2	1BW		1.7	X 10-B01	
6 BG		4.0	1 1/2 SW	2.6	2BW	3.7	X 10-B02			
8 BG		6.8	2 1/2 SW	4.4	3BW	6.2	X 10-B03			
12 BG		10.8	3 1/2 SW	7.0	5BW	9.8	X 10-B04	C501 - 7mm 12 X 16	C501 - 7 1/2" X 5/8"	
17 BG		16.3	5 SW	10.6	6BW	14.8	X 10-B05			
25 BG		21.7	8 SW	14.1	10BW	19.8	X 10-B06	A 576mm 16 X 22 (22 X 28 ODM)	A 576 5/8" X 1/8" (7/8" X 1 1/8" ODM)	
31 BG		27.1	9 SW	17.6	12BW	24.7	X 10-B07			

Attention: To withstand stress at extremely low temperatures, thermo expansion valves series ZZ feature bronze bolts.

Preferred MOPs				
MOP Code	MOP		Evaporating Temperature Range °C	
	bar	Tmax	R23	R404A/R507
20	1.4	-66°C	-100 ... -71	
35	2.4	-11°C		
40	2.8	-14°C		-75 ... -18
55	3.8	-7°C		-75 ... -10
60	4.1	-48°C	-100 ... -51	
125	8.6	-32°C	-100 ... -35	

Nominal capacity (Q_n) is based on the following conditions:

Refrigerant	R22	R23	R404/R507
Evaporating temperature (°C)	-40	-60	-40
Condensing temperature (°C)	25	-25	25
Subcooling (K)	1	1	1

Valve selection at other operating conditions see "Correction Tables for Series ZZ"

Spare Parts

	Type	Part No.
Gasket Set for for ZZ Series Valves	X 13455 -1	027 579
Service Tool for for ZZ Series Valves	X 99999	800 005
Bronze screws for following flange types: C501, 9761, 6346, A576 9148, 9149, 9152, 9153, 10331, 10332	Screw BZ 32 Screw BZ 48	803 575 803 576

Note: Please refer "Alco Navigator" for selection and adjustment guidelines