

CONSTANT PRESSURE EXPANSION VALVES / Type CTX



Type CTX-B



Type CTX-D

Capacity Table⇒



URL : http://saginomiya.co.jp/en/auto/pdf/ctx_capacity.pdf

FEATURES

- Available for bypass circuit configuration and constant load operation

APPLICATIONS

- Air conditioning systems
- Bulk coolers
- Refrigerators / Freezers
- Air dryers, etc.

COMMON SPECIFICATIONS

- External equalizer type
- Max. working pressure : 2.8 MPa
- Max. body temperature : 80°C
- Adjustable of pressure : ○increase about 0.065 MPa / rotation
- Adjustable range of pressure setting : -0.01 to 0.45 MPa
- Flare connection / Solder connection

DESCRIPTION OF CATALOG NUMBER

CTX - $\frac{3}{I}$ $\frac{4}{II}$ $\frac{006}{III}$ $\frac{B}{IV}$ $\frac{U}{V}$ $\frac{U}{VI}$

I	Type
II	Inlet pipe size
III	Outlet pipe size
IV	Capacity
V	Connection
VI	Refrigerant

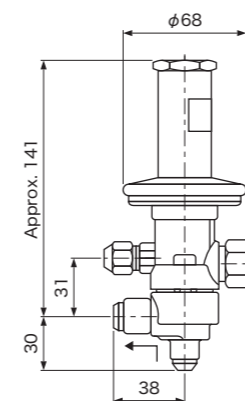
TYPE NUMBER SELECTION

Type	Catalog No.		Connection			Factory pressure setting (MPa)	Wt. (kg)
	Model	Refrigerant	Inlet	Outlet	Equalizer		
CTX	34006B [D]	M (R134a) U (R404A) P (R407C) C1 (R448A) C1 (R449A)	3/8" Flare or [(OD) Solder]	1/2" Flare or [(OD) Solder]	1/4" Flare	M : 0.142 U : 0.412 P : 0.279 C1 : 0.324	1.2 [1.1]
	34013B [D]						
	34023B [D]						
	34035B [D]						
	34045B [D]						
	57060D		5/8" (OD) or 7/8" (ID) Solder	7/8" (OD) or 1-1/8" (ID) Solder			1.3
	57080D						
	71110D						
	71140D						
	71160D						
	12220D		1" (OD) or 1-1/4" (ID) Solder	1" (OD) or 1-1/4" (ID) Solder			1.5
	12270D						
	12330D						
	12420D						
	12500D						

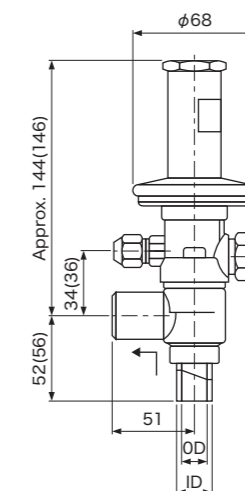
- If pressure and temperature match the specified conditions, each fluorocarbon-based refrigerants can be used.
- Factory pressure setting is the pressure when a valve starts to open.
- For other refrigerant, please contact SAGINOMIYA.

Type	Catalog No.		Capacity (U.S.R.T.) [kW]				
	Model	Refrigerant	CT 38°C / ET 5°C				
			R134a	R404A	R407C	R448A	R449A
CTX	34006B [D]	M (R134a) U (R404A) P (R407C) C1 (R448A) C1 (R449A)	0.70 {2.46}	0.70 {2.46}	1.00 {3.51}	0.94 {3.30}	0.91 {3.19}
	34013B [D]		1.60 {5.63}	1.50 {5.27}	2.20 {7.74}	1.97 {6.94}	1.91 {6.72}
	34023B [D]		2.80 {9.85}	2.70 {9.49}	3.70 {13.0}	3.39 {11.9}	3.27 {11.5}
	34035B [D]		4.21 {14.8}	4.01 {14.1}	5.69 {20.0}	5.15 {18.1}	4.98 {17.5}
	34045B [D]		5.40 {19.0}	5.09 {17.9}	7.20 {25.3}	6.63 {23.3}	6.40 {22.5}
	57060D		7.22 {25.4}	6.80 {23.9}	9.98 {35.1}	9.10 {32.0}	8.82 {31.0}
	57080D		9.58 {33.7}	9.10 {32.0}	13.4 {47.1}	12.2 {42.9}	11.8 {41.5}
	71110D		13.2 {46.4}	12.5 {44.0}	18.3 {64.3}	16.7 {58.8}	16.2 {56.9}
	71140D		16.8 {59.1}	16.0 {56.3}	23.3 {81.9}	21.2 {74.6}	20.5 {72.1}
	71160D		19.2 {67.5}	18.2 {64.0}	26.8 {94.2}	24.5 {86.0}	23.7 {83.2}
	12220D		26.4 {92.8}	25.1 {88.3}	37.0 {130}	33.6 {118}	32.4 {114}
	12270D		32.4 {114}	30.7 {108}	44.9 {158}	41.2 {145}	39.8 {140}
	12330D		39.8 {140}	37.5 {132}	54.9 {193}	50.1 {176}	48.3 {170}
	12420D		50.3 {177}	47.8 {168}	69.7 {245}	63.4 {223}	61.1 {215}
	12500D		60.0 {211}	56.9 {200}	83.3 {293}	76.2 {268}	73.7 {259}

DIMENSIONS



Type CTX-B



Type CTX-57060D to 71160D
(Type CTX-12220D to 12500D) Unit : mm