

CONSTANT PRESSURE EXPANSION VALVES / Type CEX



CEX-2333B

Capacity Table⇒



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

FEATURES

- Available for bypass circuit configuration and constant load operation. (excluding hot gas circuit)
- Applicable in the vacuum area.
- Equipped with a strainer in inlet.

COMMON SPECIFICATIONS

- Internal equalizer type
- Max. working pressure : 1.4 MPa
- Max. body temperature : 80°C
- Pressure adjustment : ◯ increase about 0.03 MPa / rotation
- Flare connection

Temperature class	Refrigerant	Evaporating Temp. (°C)
Standard	R134a	-30 to 10
	R404A	-40 to -5
	R407C	-40 to 0
	R448A	-40 to 0
	R449A	-40 to 0
Extreme Low Temperature	R23	-100 to -70
	R404A	-70 to -5

APPLICATIONS

- Bulk coolers
- Water coolers
- Refrigerators
- Air dryers, etc.

DESCRIPTION OF CATALOG NUMBER

CEX - 23 3 3 B U Z
I II III IV V VI VII

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

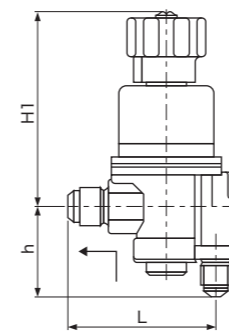
TYPE NUMBER SELECTION

Catalog No.				Equalizer Type	Adjustable range of set pressure (MPa)	Connection		Factory pressure setting (MPa)	Wt. (kg)	
Type	Model	Refrigerant	Temperature class			Inlet	Outlet			
CEX	2333B	M (R134a) C (R23, others) U (R404A) P (R407C) C1 (R448A) C1 (R449A)	— (Standard) Z (Extreme Low Temperature)	Internal	-0.047 to 0.45 (C, U, P, C1) -0.047 to 0.35 (M)	1/4" (3/8") Flare	3/8" Flare	M : 0.142 C : 0.206 U : 0.412 P : 0.279 C1 : 0.325	0.70	
	2335B						1/2" Flare			0.85
	2345B									
	2348B					3/8" (1/4") Flare	5/8" Flare		1.00	
	2341B									
	2342B					1/2" Flare	3/4" Flare		1.25	
	2344B									
	3454B					5/8" (1/2") Flare	1.40			
	4564B									
4566B										
4568B										

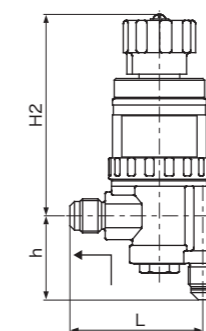
- If the pressure and temperature meet the specified conditions, each fluorocarbon-based refrigerants can be used with each other.
- If you need connection sizes in (), please specify first.
- The set pressure is the pressure at the beginning of valve opening.
- For other refrigerant, please contact SAGINOMIYA.

Catalog No.				Capacity (U.S.R.T.) {kW}					
Type	Model	Refrigerant	Temperature class	CT 38°C ET -5°C					CT -40°C ET -80°C
				R134a	R404A	R407C	R448A	R449A	R23
CEX	2333B	M (R134a) C (R23, others) U (R404A) P (R407C) C1 (R448A) C1 (R449A)	— (Standard) Z (Extreme Low Temperature)	0.36 {1.27}	0.34 {1.20}	0.51 {1.81}	0.47 {1.65}	0.45 {1.59}	0.19 {0.68}
	2335B			0.72 {2.53}	0.68 {2.39}	0.98 {3.44}	0.89 {3.14}	0.86 {3.01}	0.39 {1.36}
	2345B			1.10 {3.87}	1.05 {3.69}	1.44 {5.07}	1.31 {4.62}	1.26 {4.43}	0.60 {2.10}
	2348B			1.50 {5.28}	1.40 {4.92}	1.96 {6.88}	1.78 {6.27}	1.71 {6.02}	0.89 {3.13}
	2341B			2.60 {9.14}	2.50 {8.79}	3.81 {13.4}	3.47 {12.2}	3.33 {11.7}	1.53 {5.37}
	2342B			4.41 {15.5}	4.21 {14.8}	6.17 {21.7}	5.63 {19.8}	5.40 {19.0}	2.61 {9.16}
	2344B			7.20 {25.3}	6.00 {21.1}	9.90 {34.8}	9.02 {31.7}	8.67 {30.5}	3.58 {12.6}
	3454B			9.58 {33.7}	8.39 {29.5}	13.2 {46.4}	12.0 {42.3}	11.5 {40.5}	4.75 {16.7}
	4564B								
	4566B								
	4568B								

DIMENSIONS



Type CEX



Type CEX-Z

Catalog No.		Unit : mm					
Type	Model	L	H1	H2	h		
CEX	2333B	70.5	92	112	47 (46)		
	2335B						
	2345B						
	2348B	73.5			46 (47)		
	2341B						
	2342B	81			48 (49)		
	2344B						
	3454B	84.5			93	113	52
	4564B	90.5			95	115	56.5 (55.5)
	4566B						
4568B							

• Values in () are the dimensions in the case of connection size () in TYPE NUMBER SELECTION.