

Pressure Balance Stainless Steel Expansion Bellows

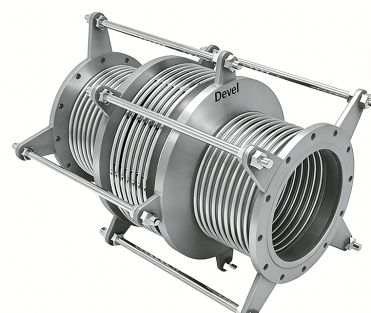
Product Features

1. Designed according to EJMA 10 code
2. Maximum Working Temperature 1200°C. Maximum Working pressure 150 Bar.
3. Made of stainless steel 304/316, Inconel 600, Hastelloy X, and other materials of the bellows.
4. Available for quick delivery in standard and custom flanged configurations.
5. Available in both import and domestic models.

Description

Thermal movement in the pipeline occurred in two directions can be absorbed by using Devel® pressure balance type Expansion Joints. Pressure balance type expansion joints are made up of two bellows connected to each other by an intermediate pipe and a system of tie rods able to withstand the thrust resulted of the internal pressure (restrained).

The absorption capacity of lateral expansion joints depends on the convolution number of the bellows on each side of the expansion joint. This amount can also be increased by changing the length of the intermediate pipe. The tie rods are also effective in preventing possible torsion forces.



Product Structure Diagram

Nominal Diameter(DN)		Number of convolutions (n)	Install Length* Weld end (mm)	Install Length* Flange end (mm)	Max Outer Diameter O.D. (mm)
mm	inch				
400	16	8 (4+4)	1200 ~ 2500	1500 ~ 3000	780
450	18	8 (4+4)	1200 ~ 2500	1500 ~ 3000	870
500	20	8 (4+4)	1200 ~ 2500	1500 ~ 3000	920
600	24	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1010
700	28	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1140
800	32	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1240
900	36	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1370
1000	40	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1500
1200	48	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1600
1250	50	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1750
1300	52	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1800
1350	54	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1850
1400	56	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1900
1450	58	8 (4+4)	1200 ~ 2500	1500 ~ 3000	1950
1500	60	8 (4+4)	1200 ~ 2500	1500 ~ 3000	2000
1600	64	8 (4+4)	1200 ~ 2500	1500 ~ 3000	2100

Note: *Install length based on the Devel factory standard. Other lengths can be changed according to your requirement.