

Series 130 PTFE Expansion Joints



Application

PTFE expansion joints, available in 3 and 5 convolutions, are recommended to handle highly corrosive medias, with glass or plastic piping or in HVAC applications. They are used to absorb thermal changes, vibration and noise and also compensate for line misalignment.

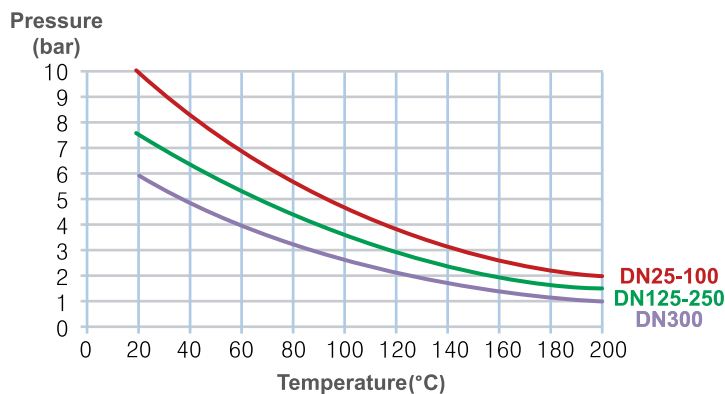
Features

- Unique protection against chemical, corrosion and high temperatures
- Low spring rates for axial, lateral and angular movements to protect stress sensitive equipment at elevated temperatures.
- High or low temperature performance
- Absorption of large movements with short overall length due to high flexibility.

Temperature-Pressure

PTFE expansion joints withstand temperatures as high as 230°C and as low as -70°C. Temperatures of the system affect the pressure rating of the expansion joints. For vacuum service, anti-vacuum rings made of stainless steel and encapsulated with PFA tube are put inside the convolution.

Pressure vs. Temperature - 3 convolution



Nominal Size		Type 133 - 3 Convolution					Type 135 - 5 Convolution				
		Neutral Length	Movements(mm)				Neutral Length	Movements(mm)			
DN	inch		Comp.	Ext.	Lat.	Ang.(°)		Comp.	Ext.	Lat.	Ang.(°)
25	1	45	10	10	6	14	75	15	15	10	20
32	1.25	50	10	10	6	14	75	15	15	10	20
40	1.5	60	10	10	6	14	90	15	15	10	20
50	2	70	20	20	10	14	100	25	25	12	20
65	2.5	80	20	20	10	14	115	25	25	12	20
80	3	90	25	25	12	14	125	30	30	16	20
100	4	90	25	25	12	10	135	30	30	16	15
125	5	100	25	25	12	10	150	30	30	16	15
150	6	100	25	25	14	10	150	30	30	16	15
200	8	150	25	25	14	10	200	40	40	16	15
250	10	160	25	25	14	10	220	40	40	16	15
300	12	160	25	25	14	10	230	40	40	16	15

1. Neutral length is set in factory with limit bolts



WARNING : Always use safety shield in hazardous service