

Teflon (PTFE) expansion joints DN25 -DN800

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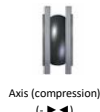
Description:

Expansion joints made in Teflon technology are used to damp vibrations and compensate displacements resulting from stress and thermal elongation of pipelines. PTFE due to a good chemical resistance is mainly used for aggressive media which working at high temperatures : range from -30 ° C to 230 ° C. PTFE compensators are characterized by a high level of safety, high chemical and thermal resistance, pressure resistance, vacuum resistance, flexibility, low permeability, high compensation and long service life.

CERTIFICATES



Kompensacja ruchu



Technical data:

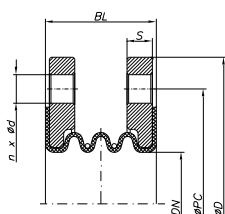
- diameter range: DN25-DN600
- range of working temperature : from -30°C till +230°C
- flange openings: PN6 PN10 PN16

Construction:

- below :
- PTFE
- strengthening rod 1.4031, 1.4401
- flange:
- carbon steel with protection anticorrosion coat (hot dip galvanization)
- stainless steel 1.4031
- acid resistant steel 1.4301, 1.4401, 1.4404, 1.4571

DN	BL [mm]			Displacement compensation								
	2 wave	3 wave	each next	2 waves			3 waves			each next wavers		
				axis +/- mm	radial. +/- mm	angular. +/- °	axis +/- mm	radial. +/- mm	angular. +/- °	axis +/- mm	radial. +/- mm	angular. +/- °
25	45	55	11	5	4	8	9	5	12	3,0	2,0	4,5
32	55	65	11	5	4	8	9	5	11	3,0	2,0	4,0
40	55	70	15	6	5	7	10	6	11	3,5	2,5	4,0
50	60	70	13	7	6	6	10	8	11	3,5	2,5	3,5
65	60	80	20	7	6	6	11	8	11	4,0	3,0	3,5
80	65	90	25	8	6	6	12	8	10	4,0	3,0	3,5
100	70	95	25	9	6	6	14	8	8	4,5	3,0	3,0
125	75	100	25	9	6	5	14	9	8	4,5	3,0	3,0
150	75	105	30	10	6	5	14	9	8	5,0	3,0	2,5
200	80	110	30	10	6	4	14	10	6	5,0	3,5	2,0
250	90	120	30	10	7	4	17	11	5	5,5	3,5	2,0
300	95	125	30	10	7	3	17	11	5	5,5	3,5	1,5
350	100	135	35	11	7	3	17	11	5	6,0	3,5	1,5
400	100	135	35	12	7	3	19	12	5	6,0	3,5	1,5
500	130	170	40	15	7	3	19	12	4	6,5	4,0	1,5
600	130	170	40	15	8	2	19	12	3	6,5	4,0	1,0
800	150	190	40	18	10	1	27	14	2	9	4,5	1,0

* above mentioned diameters and building lengths are in standard. Here exist a possibility to require a none typical as well



- BL – building lenght
- ØD – external flange diameter
- ØPC – pitch diameter of the mounting holes
- Ød – bolt opening diameter
- n – number of openings in flange
- s – flange thickness

Special design:



Flanges – hinged version

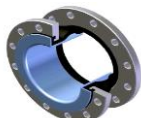


Compensator adapted in vacuum conditions

Additional equipment:



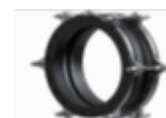
Anti fouling cover



Deflector



Vacuum below



Motion limiters