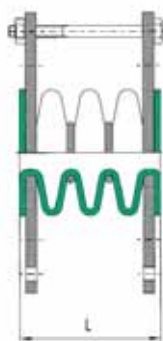


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Chemical resistant piping systems lined with PTFE-PFA-PP

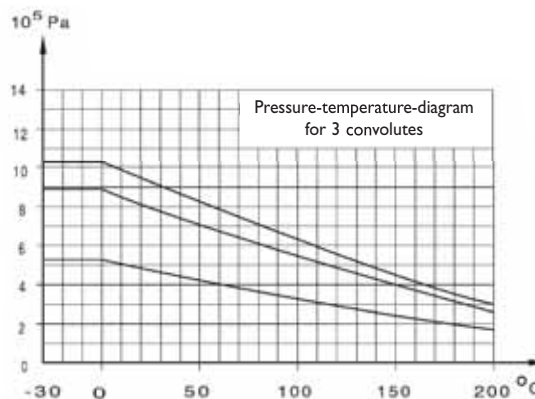


PTFE-Expansion Joints, 3 Convolutes (Class 150)



NPS 1/2" - 4"
NPS 5" - 6"

NPS 8"-20"



| NPS | L mm | Extension Compr. ± mm | Misalignment max. mm | Angular-Deflection max. ° | Vacuum-Resistance | | | |
|--------|------|-----------------------|----------------------|---------------------------|--------------------|---------|--------------------|---------|
| | | | | | 10 ⁴ Pa | max. °C | 10 ⁴ Pa | max. °C |
| 1/2" | 37 | 6 | 4 | 14 | 0,1 | 200 | | |
| 3/4" | 37 | 6 | 4 | 14 | 0,1 | 200 | | |
| 1" | 46 | 13 | 6 | 14 | 0,1 | 200 | | |
| 1 1/4" | 46 | 13 | 6 | 14 | 0,1 | 200 | | |
| 1 1/2" | 46 | 13 | 6 | 14 | 0,1 | 200 | | |
| 2" | 56 | 15 | 9 | 14 | 0,1 | 200 | | |
| 2 1/2" | 77 | 19 | 9 | 14 | 0,1 | 200 | | |
| 3" | 77 | 25 | 13 | 14 | 0,1 | 200 | | |
| 4" | 91 | 25 | 13 | 14 | 0,1 | 200 | | |
| 5" | 111 | 25 | 14 | 14 | 0,1 | 150 | | |
| 6" | 101 | 28 | 14 | 14 | 0,1 | 150 | | |
| 8" | 137 | 28 | 14 | 14 | 0,1 | 50 | 2,0 | 150 |
| 10" | 200 | 30 | 14 | 14 | 0,7 | 45 | 3,4 | 100 |
| 12" | 196 | 30 | 15 | 14 | 1,5 | 45 | 6,7 | 100 |
| 14" | 215 | 32 | 18 | 14 | 1,5 | 45 | 6,7 | 100 |
| 16" | 233 | 35 | 20 | 14 | 1,5 | 45 | 6,7 | 100 |
| 18" | 280 | 30 | 20 | 14 | 3,4 | 45 | 7,0 | 100 |
| 20" | 327 | 30 | 25 | 14 | | | 8,0 | 100 |

The above shown chart is only valid at neutral length and with limit bolts in place. Above mentioned types of travel (extension compression, misalignment or angular deflection) are alternatives; the percentage values must not exceed 100% when added together. The figures stated are average values and apply to room temperature.

Important notice to the holes of the expansion joint flanges:
bolt circle: with threaded holes from 1/2" to 24"

other design: upon request

PTFE-Expansion Joints, 3 Convolutes (Class 300) upon request.

We are certified
acc. DIN EN ISO
9001:2000.



Pressure Equipment Directive (PED 97/23/EG):

All piping parts fulfil the requirements of the PED and will be delivered with CE marking.

➔ Lined pipes, elbows, tees, instrument-tees, reducers, crosses and spacers in the dimensions DN15 to DN 500 and 1/2" to 20", according DIN 2848/2874 and ANSI B16.5 in carbon steel and stainless steel lined with PTFE, PFA (virgin, antistatic, FDA conformity upon request) and PP-lining.

➔ PTFE nozzle-liner and PTFE-lined steel dip pipes.

➔ Expansion joints in PTFE as well as stainless steel expansion joints with PTFE-lining.

➔ We also manufacture special forms and dimensions according to your requirements.

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