

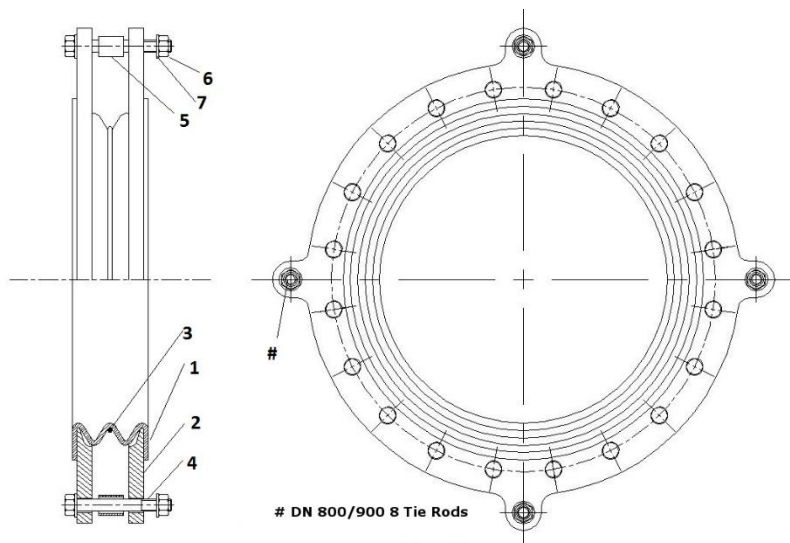
PTFE - Expansion Joint

Technical Data

FluoroFlow® Series FFB

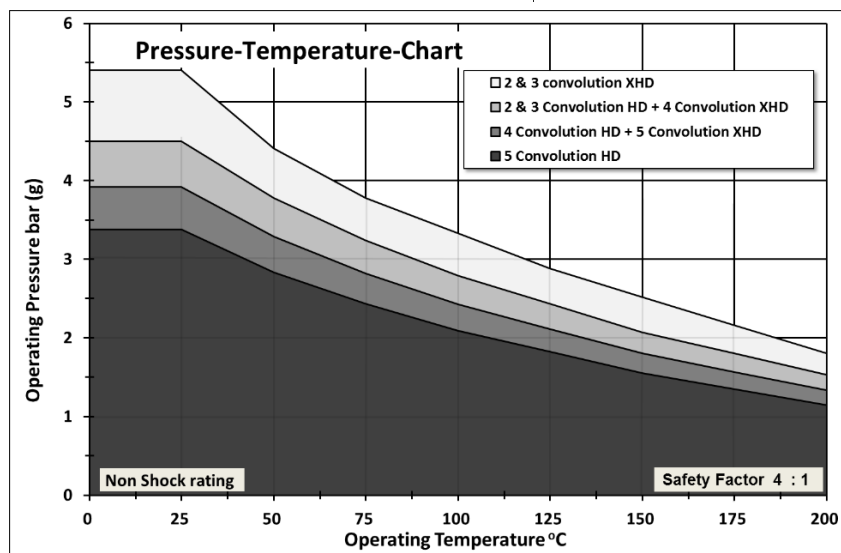
36" ASME Class 150

Pos.	Component	Material	Standard
1	PTFE-Component	Multi-ply virgin PTFE or PTFE static-dissipating	ASTM D 4894 Type IV
2	Flanges	Carbon Steel BS1501-161-430A Ultra-High Temperature Paint	BS1501-161-430A
3	Root Rings	Stainless Steel 320S31 (316Ti) or Hastelloy 276 (2.4819)	SS 320S31 (316Ti)
4	Tie Rods	Carbon Steel Grade 8.8 (Zinc plated)	EN ISO 898-1
5	Limit Sleeves	Stainless Steel ASTM A312 Gr. 304/304L	ASTM A312 Gr. 304/304L
6	Nuts	Carbon Steel Grade 8.8 (Zinc plated)	EN ISO 898-1
7	Washers	Carbon Steel Grade 8.8 (Zinc plated)	EN ISO 898-1



Vacuum Resistance bar (g)
On request ⁴⁾

⁴⁾ Suitable for vacuum with inner support rings



Flanges ASME Class 150 Series A	
Raised Face Ø [mm]	1022
Bolt Circle Ø [mm]	1086
Flange-Ø max. [mm]	1278
Holes ³⁾ [No. x Thread]	32 x 1 1/2" UNC
Thickness [mm]	30
Effective Area [m ²]	0,672

Weight [kg]	
FFB2	238
FFB3	246
FFB4	254

Dimensions, Movements¹⁾ and Spring Rates²⁾

Type Convolution	Neutral Length [mm]	axial ± [mm]	lateral ± [mm]	angular ± degrees	Spring Rates ²⁾ 20 °C ±30 %			
					axial Comp. [N/mm]	axial Ext. [N/mm]	lateral [N/mm]	angular [Nm/°]
FFB2	160	25	10	2	4.110	3.110	7.370	172
FFB3	221	32	14	3	On request			
FFB4	282	39	18	3	On request			
FFB5	On request							

1) Simultaneous movements require collective considerations 2) Observe temperature dependence 3) Threaded flange holes are Standard