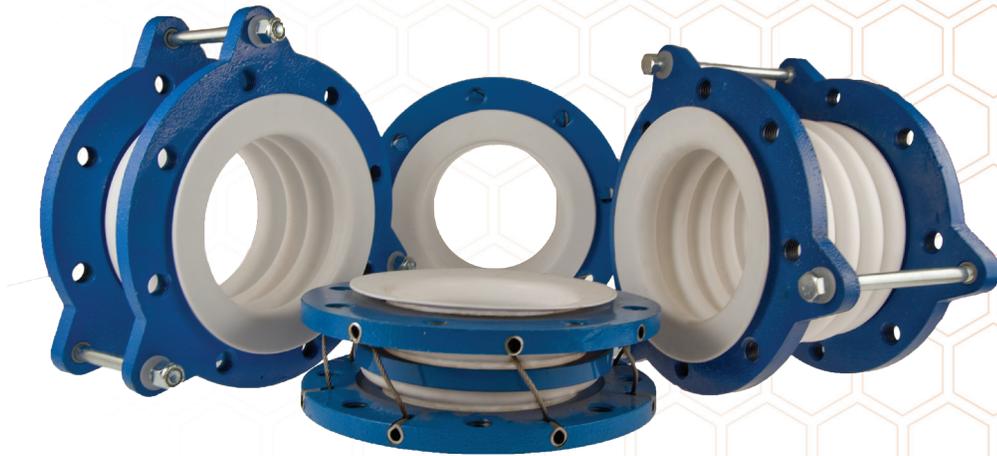


PTFE™ Expansion Joints



Kadant Unaflex Styles 112A, 113A, and 115A solid-molded PTFE expansion joints are corrosion-resistant and made to withstand the high-pressure and temperature in a compact, space-saving design. Standard sizes from 1" to 12" with two, three, or five convolutions; available in sizes up to 48". Kadant Unaflex PTFE expansion joints can operate with from a full vacuum to 160 PSI depending on the type and number of convolutions.

These types of expansions joints are typically used with highly corrosive medias, with glass or plastic piping, or in heating, ventilating, and air conditioning applications where space is premium.

Performance Characteristics



Chemical Resistance – mold or machined fluoroplastic connectors are used in corrosive applications due to the inherent resistance of fluoroplastic to a vast range of chemicals.



Vibration Absorption – fluoroplastic connectors are sometimes used in HVAC applications to absorb vibration and attenuate noise.



Temperature Limits – Fluoroplastic connectors can withstand temperatures as high as 450° F and as low as -300° F. (Temperatures significantly affect the pressure rating.)

PTFE Expansion Joint Dimensions and Specifications

Style 112A (2 Convolutions)					Style 113A (3 Convolutions)				Style 115A (5 Convolutions)			
Nom. Dia. I.D.	Neutral Length	Movement (in.)		Weight Lbs.	Neutral Length	Movement (in.)		Weight Lbs.	Neutral Length	Movement (in.)		Weight Lbs.
		Axial	Lateral			Axial	Lateral			Axial	Lateral	
1.0	1.375	0.250	0.125	2	1.750	0.500	0.250	2	3.000	0.500	0.500	2
1.25	1.375	0.250	0.125	5	1.810	0.500	0.250	5	2.670	0.394	0.470	5
1.50	1.375	0.250	0.125	3	2.000	0.500	0.250	4	3.500	0.750	0.500	3
2.00	1.563	0.250	0.125	7	2.750	0.750	0.375	8	4.000	1.000	0.500	7
2.50	2.250	0.313	0.125	10	3.188	0.750	0.375	11	4.600	0.980	0.510	10
3.00	2.250	0.375	0.188	10	3.625	1.000	0.500	13	5.000	1.000	0.500	10
4.00	2.625	0.500	0.250	18	3.625	1.000	0.500	19	5.250	1.250	0.625	18
5.00	3.250	0.500	0.250	24	4.000	1.000	0.500	25	6.000	1.250	0.625	24
6.00	2.750	0.500	0.250	29	4.000	1.125	0.563	30	6.000	1.250	0.625	29
8.00	4.000	0.500	0.250	47	6.000	1.125	0.563	48	8.000	1.250	0.625	47
10.00	5.250	0.500	0.250	64	7.000	1.188	0.500	60	8.750	1.250	0.625	64
12.00	6.000	0.500	0.250	115	7.875	1.188	0.625	77	9.000	1.375	0.688	115

Dimensions are for reference only and subject to change.