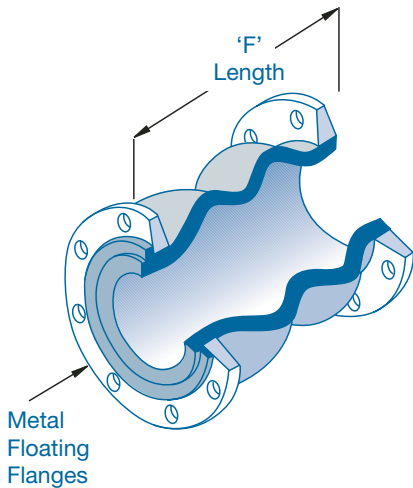




Flow Control

Flexible Piping Systems

Twin Sphere connectors with Flanges. Constructed of a rubber inner liner & outer cover with embedded nylon cord reinforcement and wire reinforced collars.



Available Materials

Material Code	Cover Elastomer	Tube Elastomer	Maximum Operating Temp (°C)
EE	EPDM	EPDM	100
BB	Chloro Butyl	Chloro Butyl	100
HH	Neoprene	Neoprene	100
NP	Neoprene	Nitrile (Buna)	100

Temperature/Pressure Factors

Temperature (°C)	Working Pressure Factor
50	x 1.00
70	x 0.75
100	x 0.50

Type FTF - Twin Sphere Connectors with Flanges

Nom Dia.		'F' Installed Length mm		Travel mm Total Compr. Extended	Allowable Movements from Neutral				Pressure		Weights (kg)	
mm	inch	Neutral Length	Min Max Installed		Axial Compr. mm	Axial Ext. mm	Lateral Defl. mm	Angular Defl.	Positive Mpa	Vacuum mm	Joint & Flanges	Control Unit Sets
32	1¼"	175	137-190	125-205	53	27	45	40°	1.55	660	2.40	1.59
40	1½"	175	137-190	125-205	53	27	45	40°	1.55	660	3.10	2.18
50	2"	175	137-190	125-205	53	27	45	40°	1.55	660	4.10	3.00
65	2½"	175	137-190	125-205	53	27	45	40°	1.55	660	6.00	3.45
80	3"	175	137-190	125-205	53	27	45	40°	1.55	660	6.50	3.91
100	4"	225	187-242	175-260	53	31	40	35°	1.55	660	9.20	3.64
125	5"	225	187-242	175-260	53	31	40	35°	1.55	660	11.10	3.77
150	6"	225	187-242	175-260	53	31	40	35°	1.55	660	13.40	5.31
200	8"	325	280-342	265-360	65	30	35	30°	1.55	660	20.00	7.00
250	10"	325	280-342	265-360	65	30	35	30°	1.55	660	29.00	11.13
300	12"	325	280-342	265-360	65	30	35	30°	1.55	660	43.00	14.09
350	14"	350	315-364	304-380	43	30	30	20°	1.03	660	61.00	14.54
400	16"	350	315-364	304-380	43	30	30	20°	0.86	660	79.00	13.99
450	18"	350	315-364	304-380	43	30	30	20°	0.86	660	82.00	16.41
500	20"	350	315-364	304-380	43	30	30	20°	0.86	660	84.00	16.13
600	24"	350	315-364	304-380	43	30	30	20°	0.76	660	134.00	21.82

Note:

1. Pressure shown are recommended "operating". Test pressure is 1.5 times "operating". Burst pressure is approximate 4 times "operating".
2. Vacuum rating is based on neutral installed length, without external load. Products should not be installed "extended" on vacuum applications.
3. All expansion joints are furnished complete with retaining flanges. Control units are available on special order.