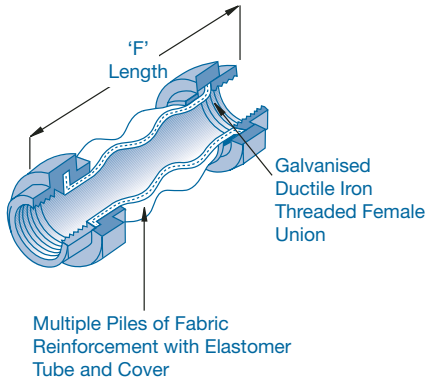




Flow Control

## Flexible Piping Systems



**Twin Sphere rubber expansion joint with Unions.**  
 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 FTU - Twin Sphere connectors with Unions

Nominal Dia. mm	inch	'F' installed length (mm)		Travel mm Total Compressed Extended	Allowable Movements from Neutral				Pressure		Weights (kg) Joint & Unions
		Neutral Length	Minimum Maximum Installed		Axial Compression mm	Axial Extension mm	Lateral Deflection mm	Angular Deflection	Positive MPa	Vacuum mm	
20	¾"	200	186-206	181-209	22	6	22	45°	1.03	400	0.68
25	1"	200	186-206	181-209	22	6	22	45°	1.03	400	1.00
32	1¼"	200	186-206	181-209	22	6	22	45°	1.03	400	1.27
40	1½"	200	186-206	181-209	22	6	22	45°	1.03	400	1.64
50	2"	200	186-206	181-209	22	6	22	45°	1.03	400	2.50

**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.

