QFTC Twin Sphere Joints
Rubber Flexible Joints

QFP16D/XXX

Pipe Size	50 PSI	100 PSI	150 PSI	200 PSI	225 PSI	300 PSI
2				X	X	X
2 1/2				X	X	X
3				X	X	X
4				X	X	X
5				X	X	X
6			X	X	X	X
8		X	X	X	X	X
10		X	X	X	X	X
12		X	X	X	X	X

* Note : X use control tie rods.

DIMENSION AND ALLOWABLE TOLERANCE / MOVEMENT

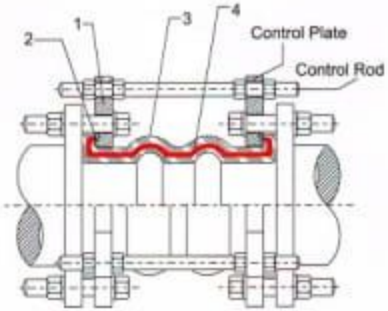
Nominal Bore (Inner Dia.) Size	Length of Bellows (mm)		Transverse Movement +/- (mm)	Axial Elongation (mm)	Axial Compression (mm)	Angular Deflection
	Face to Face Distance (mm)	Total Acceptable Tolerance +/- (mm)				
2" 50mm	145	3	15	15	20	15°
2 1/2" 65mm	145	3	15	15	20	15°
3" 80mm	225	3	20	20	25	15°
4" 100mm	225	3	20	20	25	15°
5" 125mm	225	3	20	20	25	15°
6" 150mm	220	3	20	20	25	15°
8" 200mm	220	3	20	20	25	15°
10" 250mm	300	3	30	25	30	15°
12" 300mm	300	3	30	25	30	15°

* Although the dimensional allowance for installation is as given in the table above, when installing this connector for suction purposes do not allow for its elongation.

STRUCTURE

Item	Part	Material
1	Flange	* Mild Steel
2	Wire	Hard Steel Wire
3	Body	** Heat Resisting Rubber
4	Body	Nylon

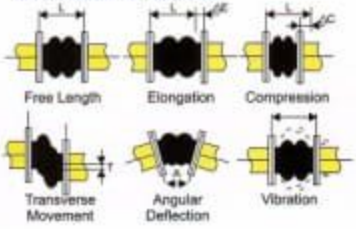
* Flange material can be changed to Ductile Iron (BS 2789) Grade 500-7 Epoxy Coating.
** Standard rubber material uses Neoprene, may be replaced by other special synthetic rubber.

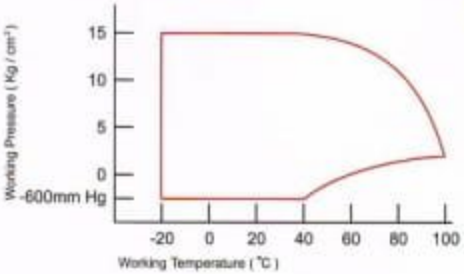


OPERATING CONDITIONS
(based on Neoprene Rubber Material)

	50mm - 300mm
Operating Pressure	16kg / cm² (228psi)
Burst Pressure	Over 50kg / cm² (711 psi)
Negative Pressure	600mm Hg
Working Temperature	-20 °C to 100 °C (-4 °F to 212 °F)
Working Fluids	Water, Hot Water, Sea Water, Compressed Air, Steam, Solvent, Acid, Weak Alkalies.

ACCEPTANCE OF MOTION





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