

TWIN SPHERE JOINTS (model: QFTC)

PIPE SIZE	50 PSI	100 PSI	150 PSI	200 PSI	225 PSI	300 PSI
1				X	X	X
1-1/4				X	X	X
1-1/2				X	X	X
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
14		X	X	X	X	X
16		X	X	X	X	X
18		X	X	X	X	X
20		X	X	X	X	X
22		X	X	X	X	X
24		X	X	X	X	X
28		X	X	X	X	X
30		X	X	X	X	X

*NOTE: X USE CONTROL TIE RODS

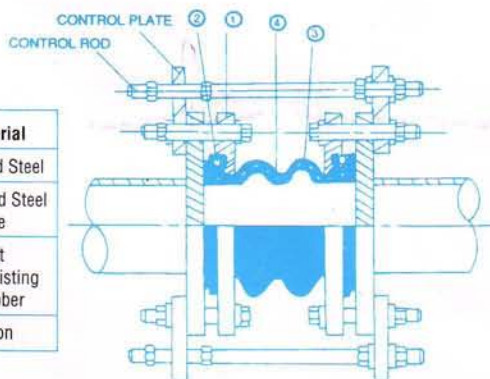
DIMENSION AND ALLOWABLE TOLERANCE / MOVEMENT

Nominal Bore (Inner Diameter) 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				
50mm (2")	145	3	15	15	20	25°
65mm (2 1/2")	145	3	15	15	20	25°
80mm (3")	225	3	20	20	25	25°
100mm (4")	225	3	20	20	25	25°
125mm (5")	235	3	25	20	25	25°
150mm (6")	220	3	20	20	25	25°
200mm (8")	220	3	20	20	25	25°
250mm (10")	300	3	30	25	30	25°
300mm (12")	300	3	30	25	30	25°

* 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.

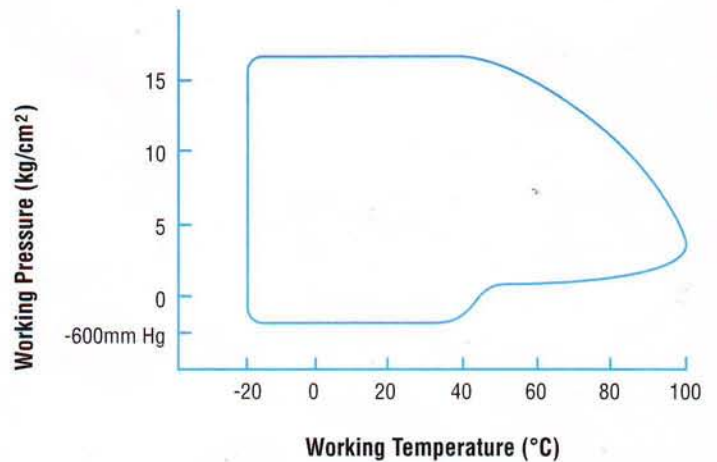


QFTC

OPERATING CONDITIONS

(based on Neoprene Rubber Material)

Operating Pressure	50mm-300mm 16kg/cm ² (228 psi)
Burst Pressure	over 50kg/cm ² (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

