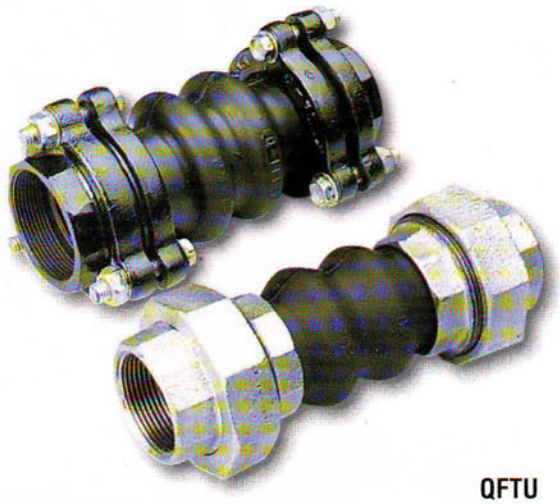
FLEXIBLE JOINTS UNION CONNECTOR (model: QFTU)

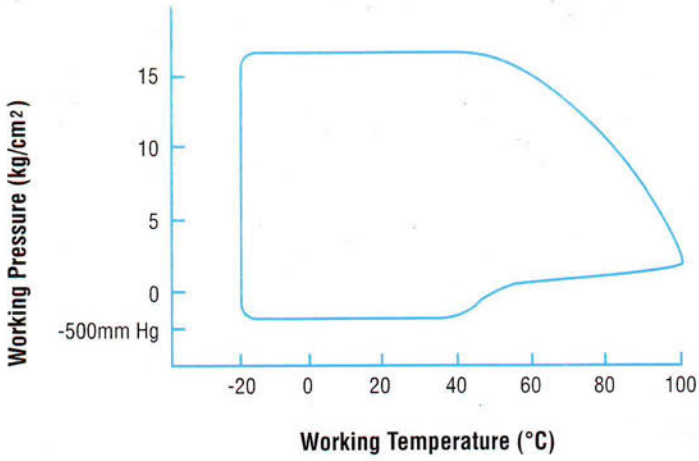


QFTU

OPERATING CONDITIONS

(based on Neoprene Rubber Material)

Operating Pressure	10kg/cm2
Burst Pressure	over 50kg/cm2 (711 psi)
Negative Pressure	500mm 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.



DESCRIPTION (FEATURES)

Small diameter piping systems can present real problems when stress alleviation is required. Space is generally critical. Conventional flanged expansion joints cannot be used without relocating piping runs. QFTU type solves this problem because of their screw ends.

With allowable 45 angular movement, QFTU Expansion Joints provide maximum vibration absorption and stress relief. Constructed of Neoprene reinforced with multiple plies of Nylon, QFTU Expansion Joints are ideal for protecting smaller diameter piping systems in Power Plants, Water and Waste Treatment Plants, Chemical Plants, Mining and for general plant services and private residence.

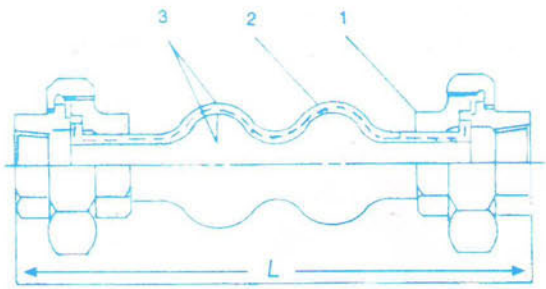
TYPICAL APPLICATIONS:

1. Building equipment, piping systems for industrial plants and piping systems for private residence.

2. Prevention of disasters due to earthquakes and subsidence of ground.

3. Waterworks, sewerage and sanitary lines (feed-water and drainage).

STRUCTURE



1	Union		Ductile Iron or Malleable Iron
2	Body		Nylon Cord
3	Body	*	Heat Resisting Rubber

* Standard rubber material uses Neoprene, may be replaced by other special synthetic rubber.

DIMENSION AND ALLOWABLE TOLERANCE / MOVEMENT

Nominal Bore (Inner Diameter) Size	Installation Length of Joint		Transverse Movement +/- mm	Axial Elongation mm	Axial Compression mm	Angular Deflection
	End to End Distance L (mm)	Total Acceptable Tolerance - mm				
20mm (3/4")	190	2	15	5	10	20°
25mm (1")	202	2	15	5	10	20°
32mm (1 1/4")	198	2	15	5	15	20°
40mm (1 1/2")	198	2	15	5	15	20°
50mm (2")	202	2	15	5	15	20°
65mm (2 1/2")	235	2	15	5	15	20°
80mm (3")	245	2	15	5	15	20°

* For high temperature application, please contact the manufacturer.