

# TOPFLEX Series TU

## TWIN-SPHERE CONNECTORS

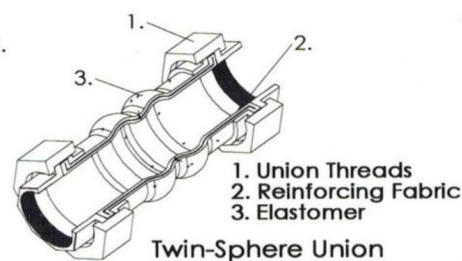
(WITH UNION THREADS)

ITEM	PART	MATERIAL
1	UNION	FB 32
2	Reinforcing Cloth	Nylon Fabric
3	Elastomer	Synthetic Rubber

**TOPFLEX SERIES TU** is designed for supply/distribution pipeline service or to connect piping to specific equipment application such as: Pumps, Chillers, Cooling Towers, Compressors, Blowers, Fans, Absorption Machines, etc. Installed next to mechanical equipment or between the anchor points of piping system, specify the **TOPFLEX SERIES TU** to:

- (1) Absorb Pipe/Movement/Stress.
- (2) Decrease Systems Noise.
- (3) Isolate Vibration.
- (4) Compensate alignment/offset.
- (5) Eliminate Electrolysis.
- (6) Protect Against Start up/Surge Forces.

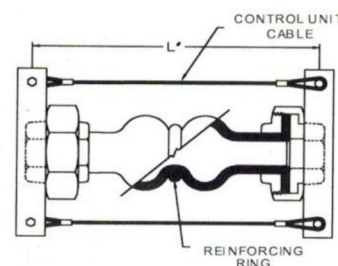
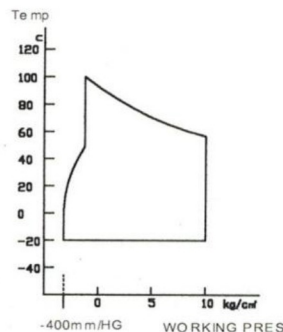
The **TOPFLEX SERIES TU** is engineered for tough, demanding industrial and commercial application, as found in: Air Conditioning-Heating and Ventilating Systems, Chemical-Petrochemical and Industrial Process Piping Systems, Power Generating Plants, Steel Mills, Marine Service, Pulp & Paper Systems, Water-Wastewater Sewage and Pollution Control Systems.



Item No.	Size I.D.	L	Compression	Extension	Lateral	Angular
TU 1/2	1/2 inch (15 mm)	203mm	22mm	6mm	22mm	30°
TU 3/4	3/4 inch (20 mm)	203	22	6	22	30°
TU 1	1 inch (25 mm)	203	22	6	22	25°
TU 1-1/4	1-1/4 inch (32 mm)	203	22	6	22	25°
TU 1-1/2	1-1/2 inch (40 mm)	203	22	6	22	20°
TU 2	2 inch (50 mm)	203	22	6	22	15°
TU 2-1/2	2-1/2 inch (65 mm)	225	22	6	22	12°
TU 3	3 inch (80 mm)	225	22	6	22	10°

### OPERATING CONDITIONS

Size I.D.	1/2" ~ 3" 15 mm ~ 80 mm	
	PSIG	kPa
Working Pressure	300	2,065
Burst Pressure	711	4,905
Pressure Rating	90	621
Vacuum Rating	400 mm/Hg	
Temperature Range	-20°C ~ 100°C / -4°F ~ 212°F	



Control unit cable and Reinforcing ring must be installed when pressure (test surge, operating, starting a pump, etc.) exceeds the rating.

### REFERENCE

1. Elastomer Materials- Neoprene, Butyl, Nitrile, EPDM, Hypalon, SBR, Natural rubber for your specifications.
2. Union - Standard item employs BS UNION with materials FB 32 and FCD 40. Also can supply ANSI, DIN and other standard.
3. Applicable fluids - water, warm water, seawater, weak acids, alkalis, etc.
4. 1 PSIG = 14.25 kg/cm<sup>2</sup>