

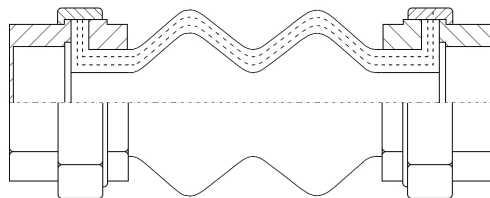
TWIN SPHERE EPDM - GALVANISED FEMALE BSP UNION

TYPE : TRB/16/120

DESIGN CONDITIONS

Max. working pressure* 16 Bar.g
 Burst Pressure* >50 Bar.g
 Vacuum Rating* 500mm HG
 Temperature Range -10 to 90°C
 Test Pressure* 24 Bar.g.
 Design Life 10 Years

*at ambient temperature



CONSTRUCTION MATERIALS

Bellows (outer) EPDM, hot water resistant
 Bellows (inner) EPDM, ozone proof, warmth resistant
 Reinforcement High tensile synthetic fabric
 Unions Malleable iron, galvanised

UNIT IDENTIFICATION:

Manufacturer, Size, Elastomer, Date Stamp, Type No.

SPECIFICATION

Thermosel type TRB/16/120 twin sphere EPDM rubber bellows. EPDM rubber membrane with high tensile synthetic reinforcement and steel wire reinforced faces. Unit supplied with galvanised female unions threaded to BS21.

TECHNICAL DATA

NOMINAL SIZE	PART NUMBER	NEUTRAL LENGTH	AXIAL COMPRESSION	AXIAL ELONGATION	LATERAL DEFLECTION	ANGULAR DEFLECTION
mm	TRB/___/16/120	mm	mm	mm	+/- mm	+/- Deg
15	TRB/0015/16/120	165	22	6	22	30
20	TRB/0020/16/120	165	22	6	22	30
25	TRB/0025/16/120	175	22	6	22	30
32	TRB/0032/16/120	186	22	6	22	30
40	TRB/0040/16/120	186	22	6	22	30
50	TRB/0050/16/120	200	22	6	22	20
65	TRB/0065/16/120	218	22	6	22	15
80	TRB/0080/16/120	260	22	6	22	15

TYPICAL APPLICATIONS

Thermosel rubber bellows are used to absorb vibration and attenuate noise caused by reciprocation plant such as pumps, chillers and air handling units. They are also used to compensate for small amounts of axial, lateral and angular pipework movements. Suitable for use of chilled water and heating systems.

GENERAL INFORMATION

This range of expansion joints is comprised of an EPDM twin sphere moulded bellows having galvanised malleable iron female unions. This feature facilitates installation. **Not suitable** for cooling water with oil containing additives, oily compressed air or permanent effect of steam.

Recommendations contained in our literature on correct installation of rubber expansion joints should be followed. These rubber bellows will extend in length when under pressure unless adequately anchored. When operating at elevated temperatures the maximum operating pressure should be derated; refer to pressure / temperature chart. Vacuum rating is based on the unit being installed at its neutral length; the unit should not be extended on installation.

ALTERNATIVES

Where a TRB/16/120 is not suitable, please contact *Thermosel Solutions* to discuss the alternative options.