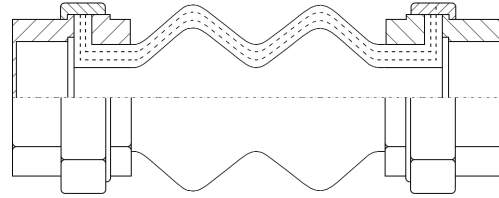


DESIGN CONDITIONS

Max. operating conditions 16 bar @ 70°C
 10 bar @ 100°C
 6 bar @ 110°C
 Test Pressure 24 Bar g.
 Design Standard DIN 4809



CONSTRUCTION MATERIALS

Inner EPDM, hot water resistant
 Reinforcement Corrosion resistant steel wire
 Cover EPDM, ozone proof, heat resistant
 Flanges Malleable iron, galvanised

UNIT IDENTIFICATION:

Red band, size & production date.

SPECIFICATION

Rubber bellows type WRB/16/120 anti-vibration joint approved to DIN4809 (up to 200mm NB), with a minimum burst pressure of 30 bar after 10 years service. Double red band EPDM rubber twin sphere pump flexible c/w corrosion resistant steel wire reinforcement and galvanised female BSP unions.

TECHNICAL DATA

NOMINAL SIZE	PART NUMBER	NEUTRAL LENGTH	AXIAL COMPRESSION	AXIAL ELONGATION	LATERAL DEFLECTION	ANGULAR DEFLECTION
mm	WRB/____/16/120	mm	mm	mm	+/- mm	+/- Deg
20	WRB/0020/16/120	130	30	15	10	30
25	WRB/0025/16/120	130	30	15	10	30
32	WRB/0032/16/120	130	30	15	10	30
40	WRB/0040/16/120	130	30	15	10	30
50	WRB/0050/16/120	130	30	15	10	30

TYPICAL APPLICATIONS

Used as a safety compensator in heating installations according to DIN4809 standard with design temperature up to 110°C. For noise reduction, for compensation of lateral, angular movements and vibrations. This product is particularly ideal for the permanent stress found in heating installations where temperatures are continuous throughout the year, and where reliability and longevity are paramount.

GENERAL INFORMATION

This range of expansion joints is comprised of an EPDM twin sphere moulded bellows having malleable iron galvanised female BSP unions.

Not suitable for drinking water, 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 WRB/16/120 is not suitable, please contact *Thermosel Solutions* to discuss the alternative options.