

Rubber Expansion Joint



Description

Universal Expansion joint

Design

Hydrodynamic, cylindrical rubber bellows with full faced rubber flanges and single or multi-part backing flanges.

Optionally with embedded pressure or vacuum support rings

Application

Plant construction, sand/gravel extraction industry, dredgers, food processing e. g. as suction/pressure hoses, in conveyor lines, on pumps and vessels.

Lateral Expansion Joint

Design

Highly elastic, hydrodynamic, single-arch rubber bellows with full faced rubber flanges and backing flanges with support collar and tie rods.

Optionally with vacuum support ring.

Application

Cooling water systems, desalination plants, drinking water supply, plant constructions e. g. in pipelines, on pumps, as dismantling joints, on condensers and vessels.

Universal Expansion Joint

Nominal Diameters

- ✓ NB 100 to NB 4000, intermediate sizes possible

Installation length

- ✓ Standard LE = 150 to 400 mm Other installation lengths on request

Pressure

- ✓ Depending on the nominal diameter and installation length up to 16 bar
- ✓ Vacuum stability on request
- ✓ Design in accordance with Pressure Equipment Directive PED 2014/68/EU

Movement

For small axial and lateral movements

Lateral Expansion Joint

Nominal Diameters

- ✓ NB 100 to NB 4000, intermediate sizes possible

Installation length

- ✓ Standard LE = 200 to 500 Other installation lengths on request

Stiffness Rate

- ✓ Lateral stiffness rates

Pressure

- ✓ Depending on the nominal diameter up to 40 bar
- ✓ Vacuum stability on request, with vacuum support ring up to 0.05 bar absolute
- ✓ Design in accordance with Pressure Equipment Directive PED 2014/68/EU

Movement

For lateral movements Installation gap tolerances possible in the context of axial compression and extension.