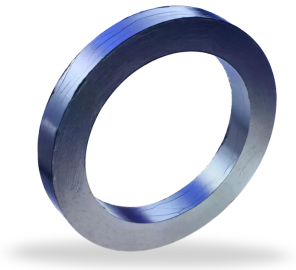
RELY ON EXCELLENCE

Statotherm R profile rings R901/B..

Packings & Gaskets | Graphite seals & tapes



Features

Statotherm R profile rings R901/B are made from permanently elastic, expanded graphite (purity ≥ 99.85%, ash content ≤0.15 %, chloride content ≤20 ppm) without binders or fillers. Statotherm R profile rings R901/B are almost maintenance-free and are intended for exposure to extreme temperature cycling and/ or high or low temperature ranges which cannot be withstood by elastomeric O-rings.

Notes

Statotherm profile rings must only be permitted to deform in the axial direction. The sealing groove must be designed to prevent tensile stresses caused by widening of the profile rings (which are damaged by radial deformation).

Advantages

- High purity nuclear grade graphite
- Outstanding deformability
- Permanent resiliency
- Permanent elasticity
- Good cross-sectional tightness

Operating range

Pressure: p = 500 bar
Sliding velocity

- Pump application
  vg = 2 m/s

Temperature

- Continuous operation:
  t = -200 °C ... +500 °C
- Steam: tmax+550°

Recommended surface roughness: RZ = 10 - 40 µm

Chemical resistance: pH = 0 ... 14
Resistant to almost all organic and inorganic acids, alkalis, oils and solvents.

Standards and approvals

- TA Luft
- BAM (upon request)

Recommended applications

Industries

- Process industry
- Petrochemical industry
- Chemical industry
- Power plant technology
- Building services industry

eagleburgmann.com
info@eagleburgmann.com

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.