EagleBurgmann
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RELY ON EXCELLENCE

Statotherm V Cover seal V901/...

Packings & Gaskets | Graphite seals & tapes

Features

Statotherm V cover seals V901 (self-sealing) are precision-made seals made from permanently elastic, expanded graphite (purity ≥ 99%) without binders or fillers. Cover seals are successfully used as self-sealing closures in high pressure valves, e.g. for power stations at high temperatures and up to 1,000 mm diameter.

Notes

Design and ordering information
The design of the cover seal depends on the pressure and dimensions. Please specify the operating conditions and profile shape with any enquiries or orders (example: pressure in bar, diameter d1 and d2, profile shape I, A or R).

Advantages

- Easy to assemble and disassemble
- No damage to the sealing surfaces
- Long service life
- Do not harden
- Optimized sealing result
- Minimum wear of the contact surface

Operating range

Pressure: p = 500 bar
Sliding velocity: 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.

Density (raw material): 0.7 or 1.0 g/cm3
V901/B5: density 1.3 g/cm3
V901/B6: density 1.4 g/cm3
V901/B7: density 1.6 g/cm3
V901/B8: density 1.8 g/cm3

Recommended applications

Industries

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

- Valves

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.