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RELY ON EXCELLENCE

Statotherm V Cover seal V881-...

Packings & Gaskets | Graphite seals & tapes

Features

Statotherm V cover seals V881 (self-sealing) consist of pure graphite rings (purity > 99%) with an embedded stainless steel reinforcement. They are used in particular in applications with large gaps and high pressures. For example, Statotherm V cover seals V881 are used successfully in power stations at high temperatures and with diameters of up to 1,000 mm.

Functional description

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).

Notes

Minimum surface pressure:
The seal and preloading are generally created by the working pressure, but there is a minimum surface pressure that must be achieved when the seal is installed.

Advantages

- Especially suitable for sealing large gaps
- 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 = 800 bar
Sliding velocity: vg = 2 m/s
Temperature

- Continuous operation:
  t = -200 °C ... +500 °C
- Steam: tmax = +550 °C
- in a reducing or inert environment: tmax = +3.000 °C

Recommended surface roughness: Rz = 10 ... 40 µm
Chemical resistance: pH = 0 ... 14
Resistant to almost all organic and inorganic acids, alkalis, oils and solvents.

V881-B6: density 1.3 g/cm3
V881-B7: density 1.4 g/cm3
V881-B8: density 1.6 g/cm3

Recommended applications

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

- Valves

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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.