

RELY ON EXCELLENCE

Rotatherm S881/B

Packings & Gaskets | Packing for valves



Features

Rotatherm S881/B are precompressed rings made from pure graphite ($\geq 99.85\%$) with embedded stainless steel reinforcement optimally positioned to suit the cross-section. No metal-to-metal contact with spindle or housing. They are ideally used as chamber sealing rings in high temperature and high pressure valves to avoid extrusion (particularly through large gaps).

Notes

The spindle and installation space must be clean and in perfect condition (as these are important if the seal is to work well for a long period). Adjust the valve spindle position so that it can be actuated in the packing ring tightening direction once the packing is partly sealed. Design and installation, see page 99 in the catalog.

Advantages

- Do not harden
- Long service life
- Uncomplicated installation and removal
- Low wear of the contact surface

Operating range

Valves

Pressure: $p = 1.000 \text{ bar}$
Sliding velocity: $vg = 2 \text{ m/s}$

Temperature

- Continuous operation:
 $t = -200 \text{ °C} \dots +500 \text{ °C}$
- Steam: $t_{\text{max}} = +550 \text{ °C}$
- Inert environment: $t_{\text{max}} = +3.000 \text{ °C}$

Chemical resistance: $\text{pH} = 0 \dots 14$
Resistant to almost all organic and inorganic acids, alkalis, oils and solvents.

Recommended applications

Industries

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

Mechanical units

- Valves