

RELY ON EXCELLENCE

B800

Mechanical Seals | Compressor seals | Oil lubricated seals



Advantages

- Suitable for high sliding velocities
- Seal does not open if oil pressure drops
- Rugged seat with bandage ensures reliable operation
- Compact design with few sealing components

Operating range

Shaft diameter: $d = \dots 220 \text{ mm (8.66")}$

Pressure: $(p_2 - p_1) = \dots 5 \text{ bar (73 PSI)}$

Sliding velocity: $v_g = 90 \text{ m/s (295 ft/s)}$

Materials

Bellows: AM350, Inconel® 718, Hastelloy®-C

Seal face: Special SiC, high-density carbon graphite

Seat: Silicon carbide

Secondary seals: FKM (bearing side)

Metal parts: 1.4301, Carpenter® 42, Inconel® 718, Hastelloy®-C

Recommended applications

- Oil and gas industry
- Refining technology
- Petrochemical industry

Features

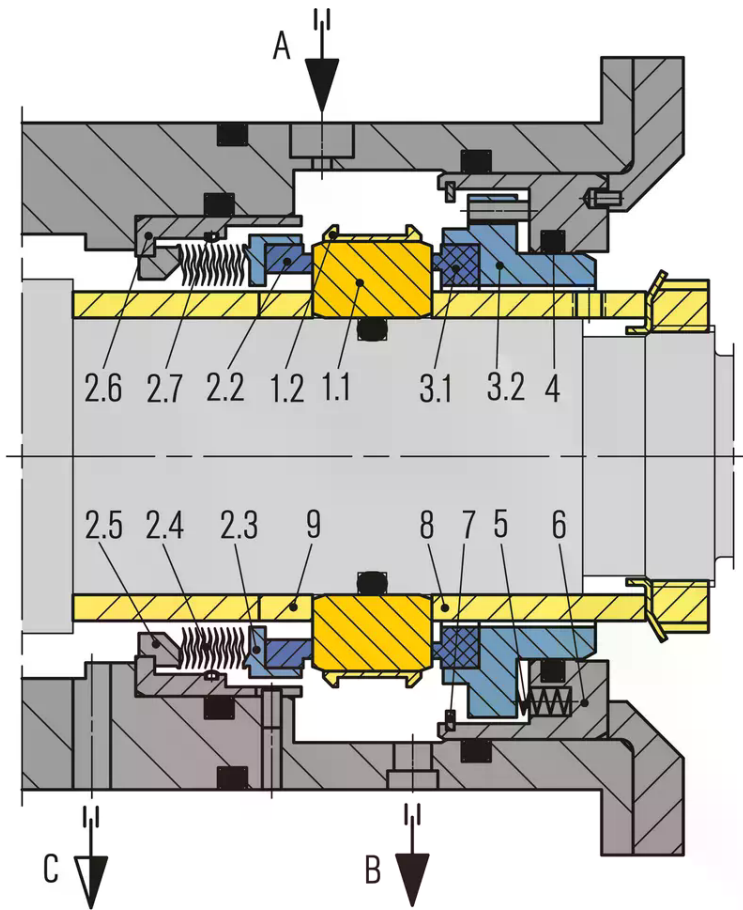
- Oil-lubricated
- Double seal
- Balanced
- Bi-directional
- Stationary bellows (process side)
- Multiple springs (bearing side)
- Shrink-fit seat
- Double-pressure balanced

Notes

This special shaft seal is characterized by its straightforward structure, compact length and quiet running even under changing pressure conditions. It also seals reliably at both high and low temperatures.

Dimensions on request.

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Item	Description
1.1	Seat
1.2, 2.3, 3.2	Retainer
2.2, 3.1	Seal face
2.4	Bellows
2.5	Adapter
4	O-ring
5	Spring
2.6, 6	Housing
2.7	Damper
7	Retaining ring
8	Sleeve
9	Spacer
A	Oil IN
B	Oil OUT
C	Drain