

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

### Features

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

### 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

### Notes

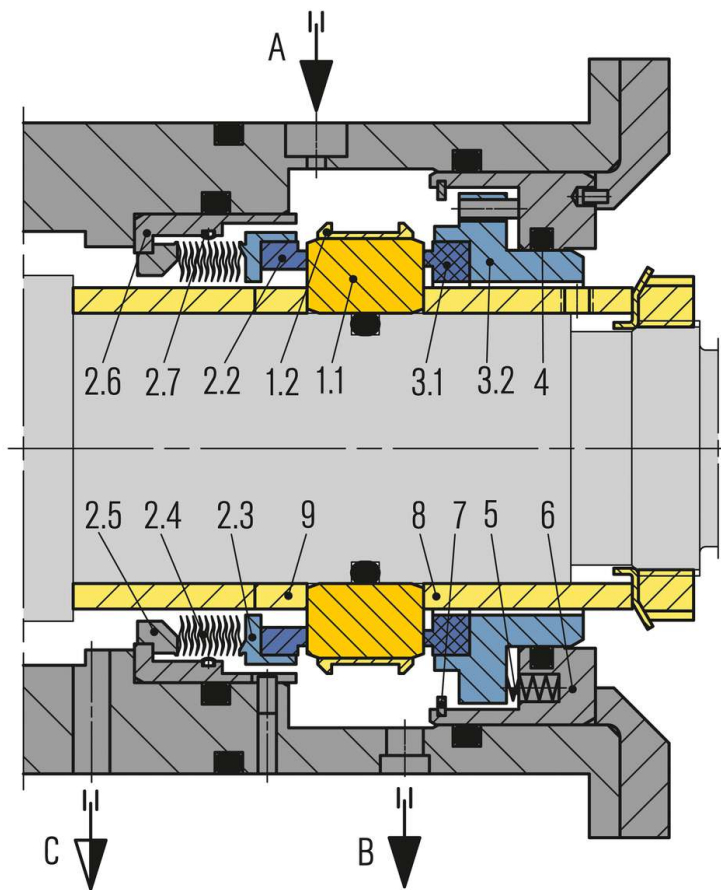
This special shaft seal is characterized by its straightforward structure, compact length and quiet running even under changing pressure conditions. It also seals reliably at both high and low temperatures.

Dimensions on request.

### Recommended applications

- Oil and gas industry
- Refining technology
- Petrochemical industry

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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          |