

# HBrinker Mechanical Seal

Compressor seal

Mechanical Seal HB800



**H-Brinker**

www.HBrinker.com



## Mechanical Seal HB800

### 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

### Features

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

### Advantages

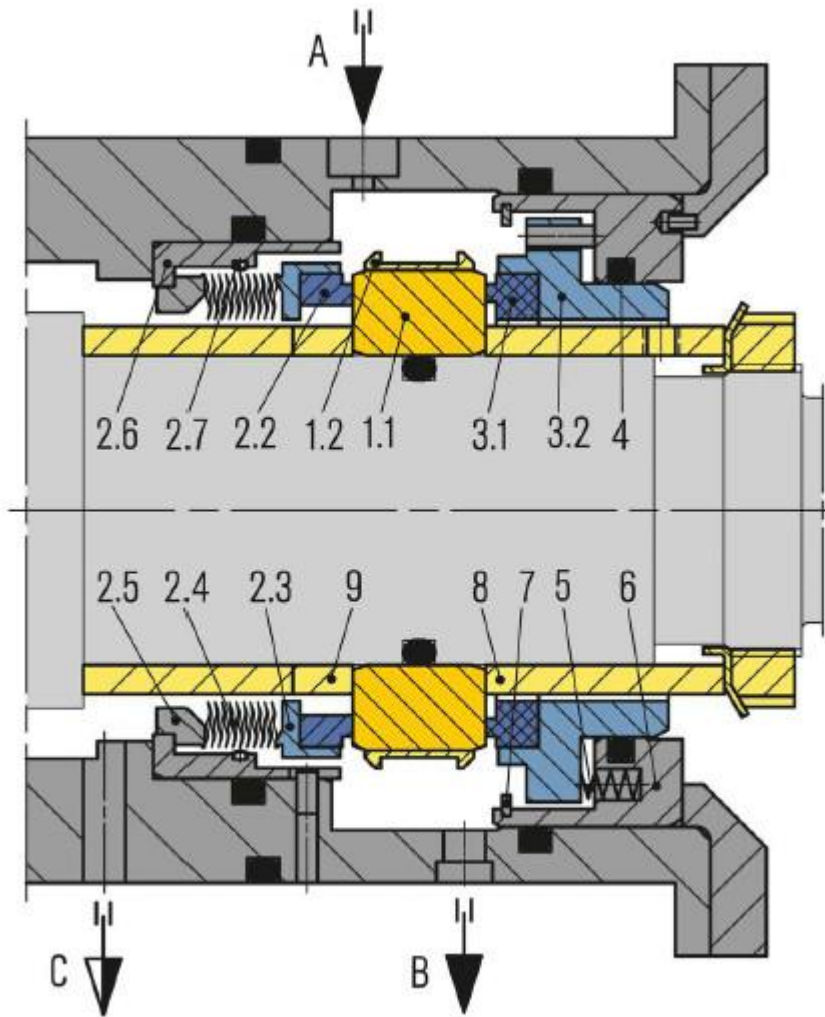
- Suitable for high sliding velocities
- Seal does not open if oil pressure drops
- Rugged seat with bandage ensures reliable operation
- Compact design with few sealing components

### 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