HBrinker Mechanical Seal

Compressor seal Mechanical Seal HBMGS

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Mechanical Seal HBMGS

Operating range

Shaft diameter: d1 = 48 ... 200 mm (1.89" ... 7.87")

Pressure: p = 0 ... 50 bar (0 ... 725 PSI)

Temperature: t = -20 °C ... +200 °C (-4 °F ... +392 °F)

Sliding velocity: vg = 0.6 ... 200 m/s (2 ... 656 ft/s)

Materials

- Seal face: Silicon carbide with DLC coating, Carbon graphite
- Seat: Silicon carbide with DLC coating
- Secondary seals: FKM
- Metal parts: 1.4006 or other stainless steels

Other materials on request..

Features

- Gas-lubricated
- Bi-directional
- Compact, radial design
- Ready-to-fit cartridge unit, also available as a component seal
- Single, double, tandem seal and tandem with intermediate labyrinth available

Advantages

- Wear-free and contact-free operation
- Self-cleaning 3D gas grooves
- High gas film stiffness
- Fits into small spaces (e.g. process gas screw compressors)
- Available in various materials for optimized chemical resistance
- Proven, reliable and economical solution

Recommended applications

- Oil and gas industry
- Refining technology
- Petrochemical industry
- Hydrocarbon gas
- Nitrogen
- Air
- Centrifugal compressors
- Dry process gas screw compressors
- Blowers

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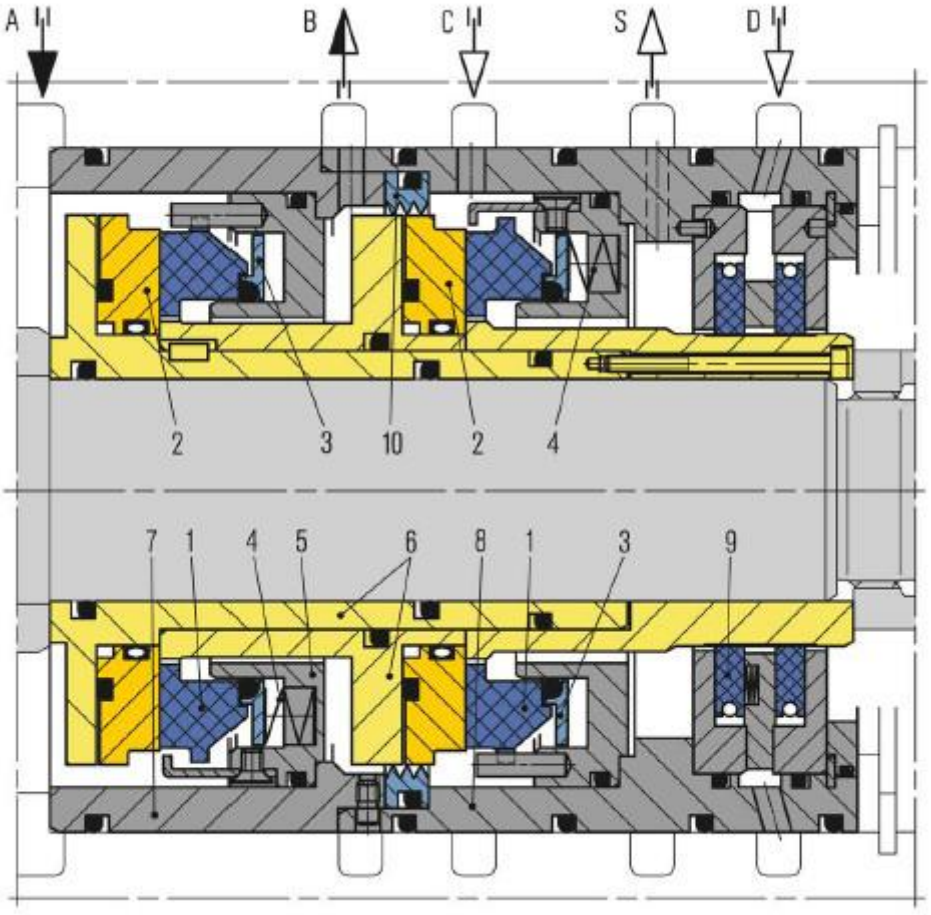

Item	Description
1	Seal face, stationary
2	Seat, rotating
3	Thrust ring
4	Spring
5	Adapter
6	Shaft sleeve, intermediate sleeve
7,8	Housing (size matched to installation space)
9	Carbon ring separation seal (CSE)
10	Intermediate labyrinth
11	Intermediate labyrinth
A	Primary seal gas supply
B	Primary vent
C	Secondary gas seal supply
S	Secondary vent
D	Separation gas supply