

HBrinker Mechanical Seal

Agitator seal Mechanical Seal HBGSR



Mechanical Seal HBGSR

Operating range

Shaft diameter: $d_1 = 20 \dots 200 \text{ mm}$ (0.8" ... 7.9")

Pressure: $p_1 = \text{Vakuum} \dots 6 \text{ bar}$ (87 PSI),

$\Delta p = \text{min. } 3 \text{ bar}$ (44 PSI),

$p_3 = \text{max. } 9 \text{ bar}$ (131 PSI)

Temperature: $t_1 = -20 \text{ }^\circ\text{C} \dots +200 \text{ }^\circ\text{C}$ (-4 °F ... +392 °F)

Sliding velocity: $v_g = 0 \dots 5 \text{ m/s}$ (0 ... 16 ft/s)

Materials

- Seal faces and seats: Silicon carbide, FDA conform
- Secondary seals and metallic parts acc. to application and customers' requirement.

Features

- For top, bottom and side entry drives
- Double seal
- Balanced
- Stationary springs on product side
- Independent of direction of rotation
- Gas-lubricated
- Cartridge unit

Advantages

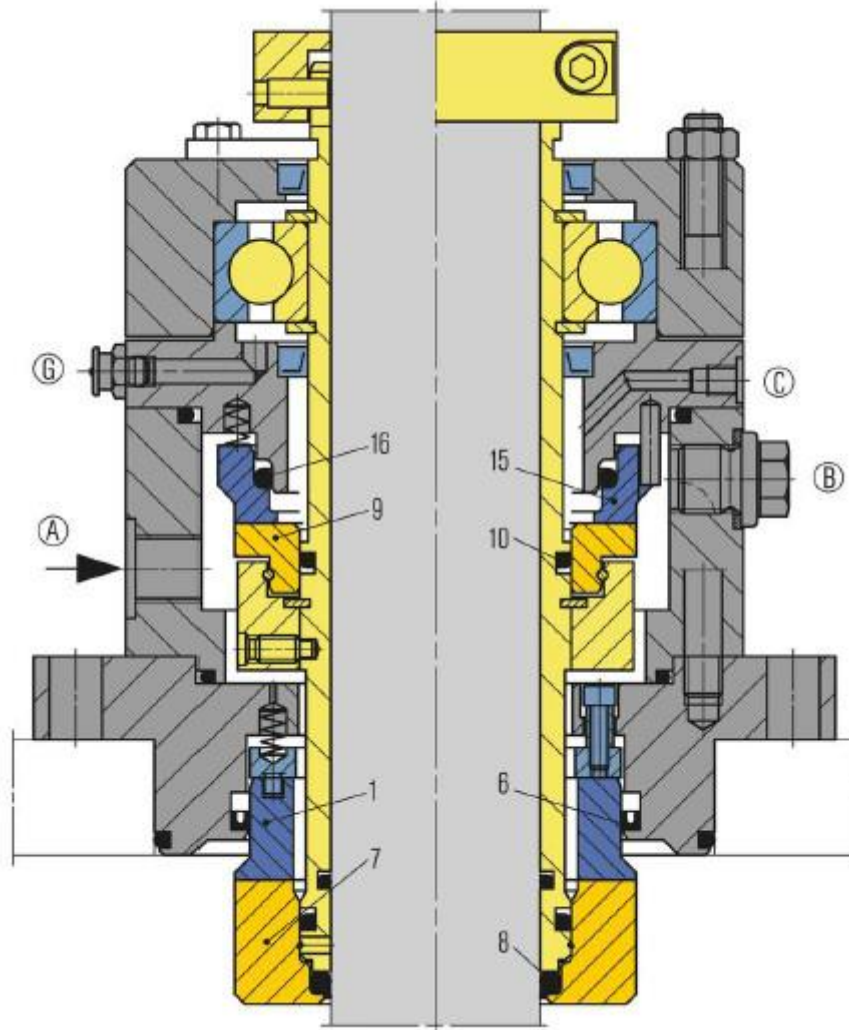
- Ready-to-fit and factory-tested unit
- Rotating seat at product side
- Torque transmission by clamping ring for large axial movements
- Non-contacting operation
- No friction on the seal faces, no heat generated at the seal or in the medium
- Sterile design available
- ATEX certification on request

Recommended applications

- Chemical industry
- Food and beverage industry
- Pharmaceutical industry
- Mixers
- Dryers
- Special rotating equipment

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Item	Description
1, 15	Seal Face
6	Sealing ring
7,9	Seat
8,10,16	O-Ring