HBrinker Mechanical Seal

Engineered seals Mechanical Seal HBHV

H-Brinker
www.HBrinker.com

Mechanical Seal HBHV

Operating range

Shaft diameter: d1 = 30 ... 140 mm (1.1811" ... 5.5118") Other sizes on request

Temperature: t = -40 °C ... +380 °C (-40 °F ... +716 °F) With adapted cooling devices for high temperature applications

Sliding velocity: vg = 50 m/s (164 ft/s)

Axial movement: ±3 mm

Sliding material combination: AQ2

Dynamic pressure: p1 = 100 bar (1,450 PSI)

Static pressure: p1 = 240 bar (3,481 PSI)

Sliding material combination Q3Q2:

Dynamic pressure: p1 = 120 bar (1,740 PSI)

Static pressure: p1 = 160 bar (2,320 PSI)

Materials

- Seal face: Carbon graphite antimony impregnated (A), silicon impregnated carbon (Q3)
- Seat: Silicon carbide (Q2)
- Secondary seals: FKM (V), FFKM (K), EPDM (E)
- Springs: Hastelloy® C-4 (M)
- Metal parts: CrNiMo steel (G), Duplex (G1), Super Duplex (G4)

Features

- Single seal in cartridge design
- Balanced
- Multiple springs
- Stationary spring loaded unit
- Shrink-fitted seal face
- Rugged mating ring

Advantages

- Deformation-optimized seal for high sliding velocities and high pressures
- Economical due to standardized inner components
- High flexibility due to adaptation of the connection parts to the pump seal chamber
- Insensitive to shaft deflections due to stationary design
- Pre-assembled unit for quick and easy installation
- Suitable for use in compliance with API 682, type ES
- Version with loose-fitted seal face available, for extreme applications
- Only small number of components

Recommended applications

- Oil and gas industry
- Petrochemical industry
- Chemical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Desalination

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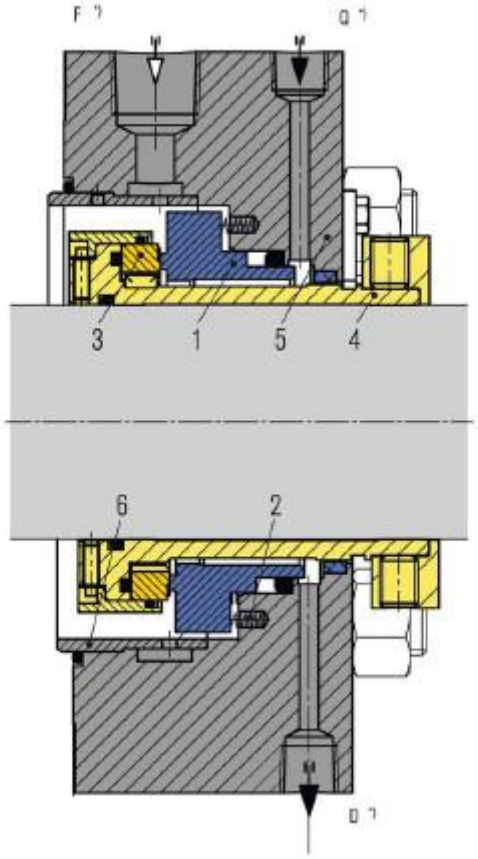

Item	Description
1	Seal Face
2	Spring
3	Seat
4	Shaft Sleeve
5	Cover
6	Multipoint injection