

HBrinker Mechanical Seal

Engineered seals

Mechanical Seal HBP-S



H-Brinker

www.HBrinker.com



Mechanical Seal HBP-S

Operating range

Temperature: $t = -20\text{ }^{\circ}\text{C} \dots +140\text{ }^{\circ}\text{C}$ ($-4\text{ }^{\circ}\text{F} \dots +284\text{ }^{\circ}\text{F}$)

Pressure: $p_1 \dots 25\text{ bar}$ (363 PSI)

Sliding velocity: $v_g \dots 20\text{ m/s}$ (66 ft/s)

Stock content: $\dots 4\%$

Materials

- Seal face: Silicon carbide (Q12), Carbon (A)
- Secondary seals: FKM (V), EPDM (E), FFKM (K)
- Metal parts: CrNiMo steel (G), Grade 5A (4T), SMO 654 (4U)

Features

- Integrated seal for Sulzer A pumps
- Single + Plan 11 flush
- Semi cartridge unit
- Balanced
- Independent of direction of rotation
- Static springs
- No dynamic O-Ring on shaft
- Rugged design
- Shrink-fitted seal faces
- Seal faces have a large clearance to the shaft
- Wear part cost minimized Optimized design for Non-Flow use

Advantages

- Individually integrated to equipment for best sealing result
- Straightforward and easy installation
- Static springs reduces influence of misalignment
- No damage of the shaft by dynamically loaded O-Ring
- Extended service life due to rugged design
- No brittle parts in contact with torque transmission pins
- Seal faces protected by strong steel parts and a large radial clearance
- The double, quench and single seals have the same wear parts on product side
- Reduces stock holding costs

Recommended applications

- Pulp and paper industry
- Chemical industry
- All clean none abrasive media
- Sulzer Ahlstar APP and APT centrifugal pumps

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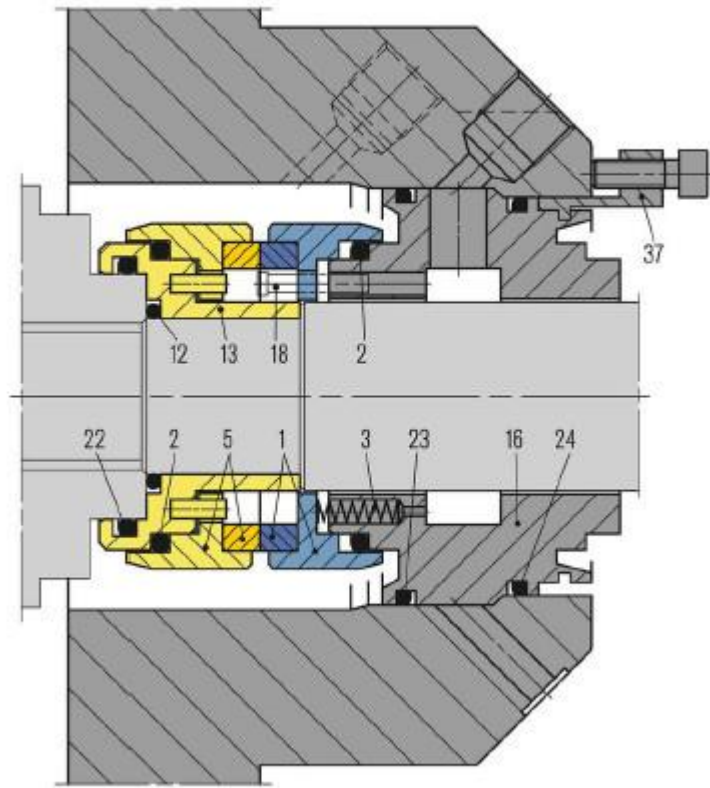
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Item	Description
1,5	Seal Face
2,12,22,23,24	O-Ring
3	Spring
13	Sleeve
16	Housing
18	Pin
37	Locking fixture