

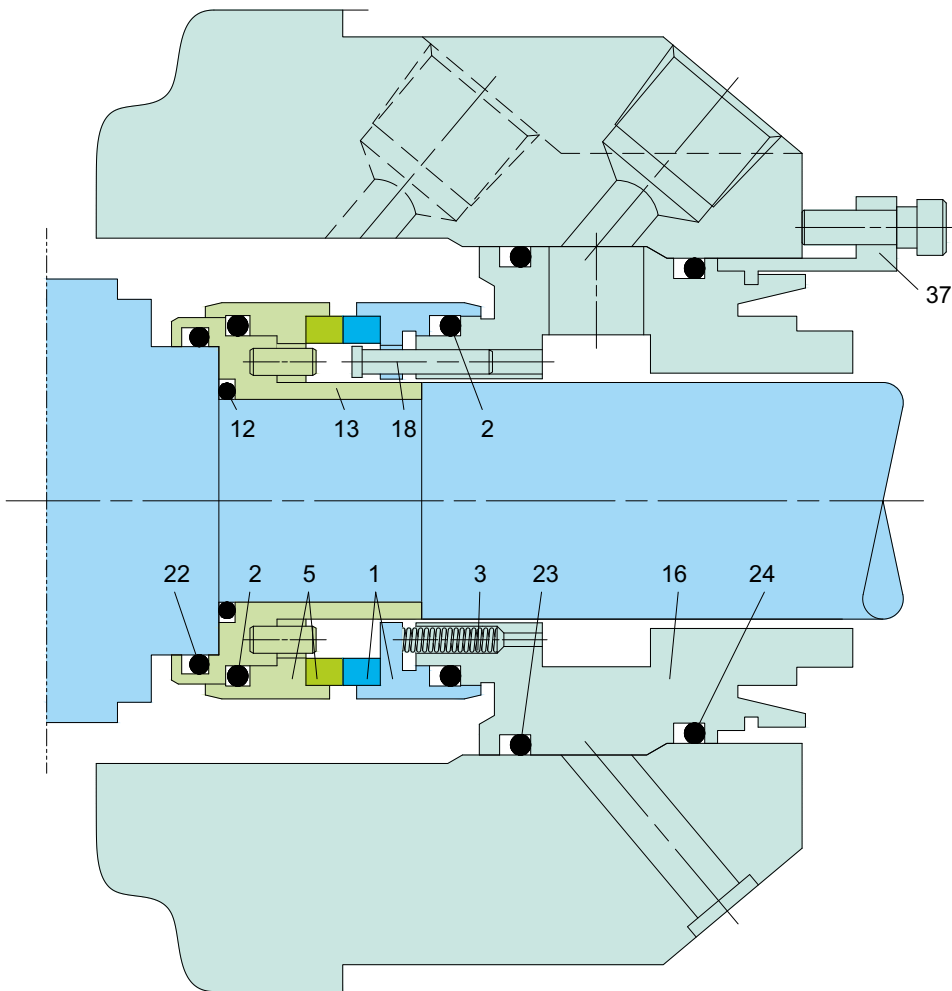


Product Description

- 1. Single seal configuration
- 2. Balanced design
- 3. Independent of direction of rotation
- 4. Semi-Cartridge construction
- 5. No dynamic O-ring on the shaft

Technical Features

- 1. O-rings are dynamically loaded to prevent shaft damage
- 2. Easy and trouble-free installation
- 3. Due to large radial clearance the damage to the seal faces are avoided, in addition to the seal faces being protected by strong steel parts
- 4. Misalignment during installation and operations is reduced due to the static springs



Note: The item numbers as depicted above are based on our technical experience and knowledge and are placed in the chronological order of their assembly procedure.

Typical Industrial Applications

Chemical	Lightly contaminated liquids
Clean liquids	Pulp & paper
Fibrous slurries	Self-priming applications
Gas containing liquids	Viscous liquids
Large solids containing liquids	

Performance Capabilities

Temperature:	t = -20 °C ... +140 °C (-4 °F ... +284 °F)
Pressure:	p ... 25 bar (363 PSI)
Sliding velocity:	v _g ... 20 m/s (66 ft/s)

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)

Suitable For Following Equipments

Ahlstar UP A MS21 range of pumps
Sulzer A, APP/APT pumps
Sulzer SL mixers
Metso conical refiners
Stock pumps

Item	Description
1, 5	Seal face
2, 12, 22, 23, 24	O-ring
3	Spring
13	Sleeve
16	Housing
18	Pin
37	Assembly fixture