

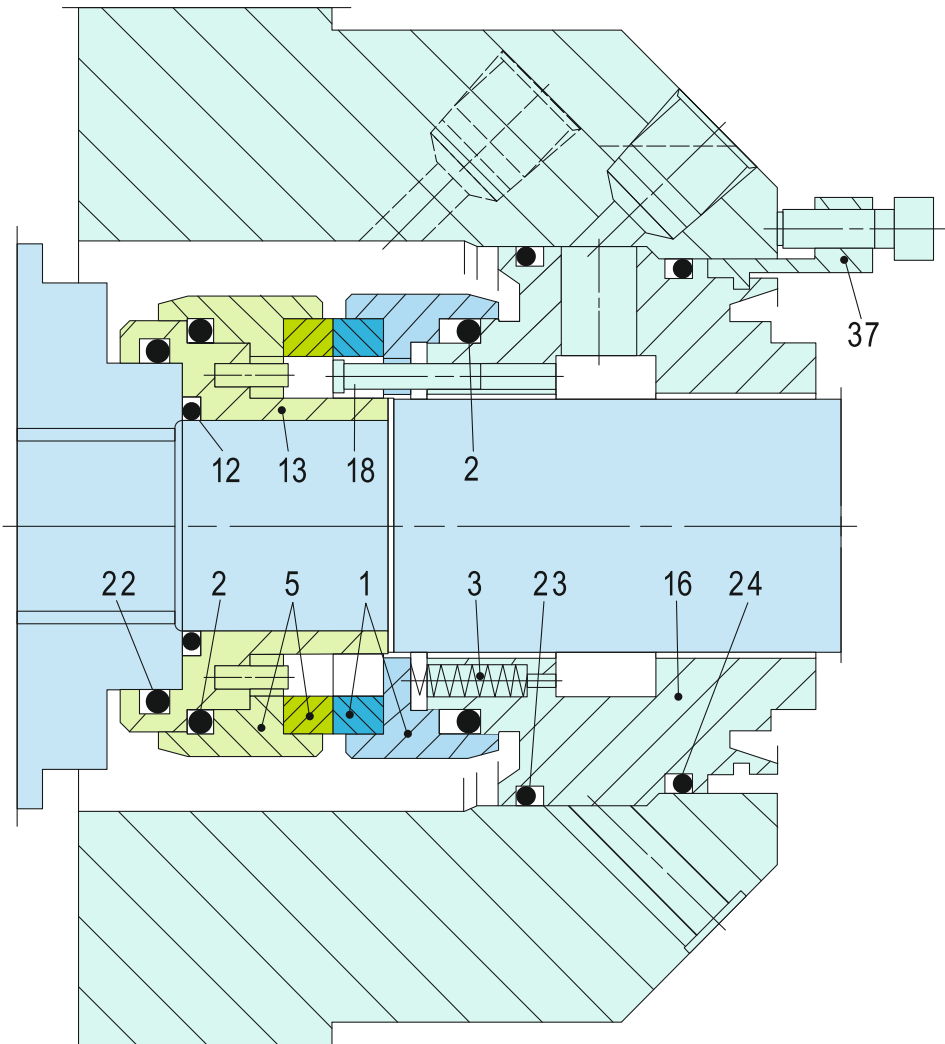


Product Description

- 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



Typical Industrial Applications

Pulp and paper industry
Chemical industry
All clean non abrasive media

Performance Capabilities

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)

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

The specifications, drawings, images etc included in this catalogue are intended to be generic and must be interpreted as equivalent or functionally equivalent, more specifically the performance capabilities mentioned in this catalogue is based on optimum values, however the performance of the product is dependent on size, material of construction, media, pressure, temperature, sliding velocity etc and it shall vary from size to size or application to application. Customers are requested to consult with Sealmatic before employing the product from this catalogue for any application.