

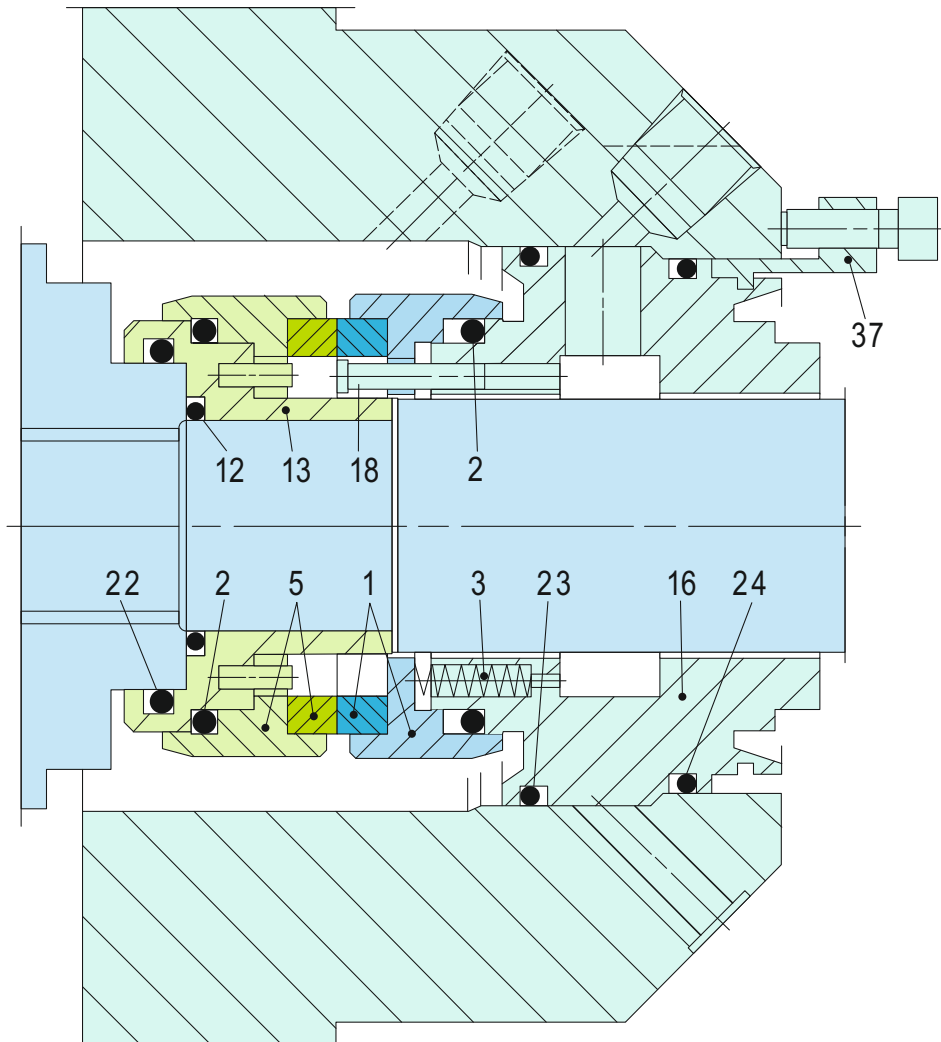


### Product Description

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 none 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

Ahlar 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