

QQ - T Single Seals Mechanical Seals For Pumps - Engineered Seals



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

Materials

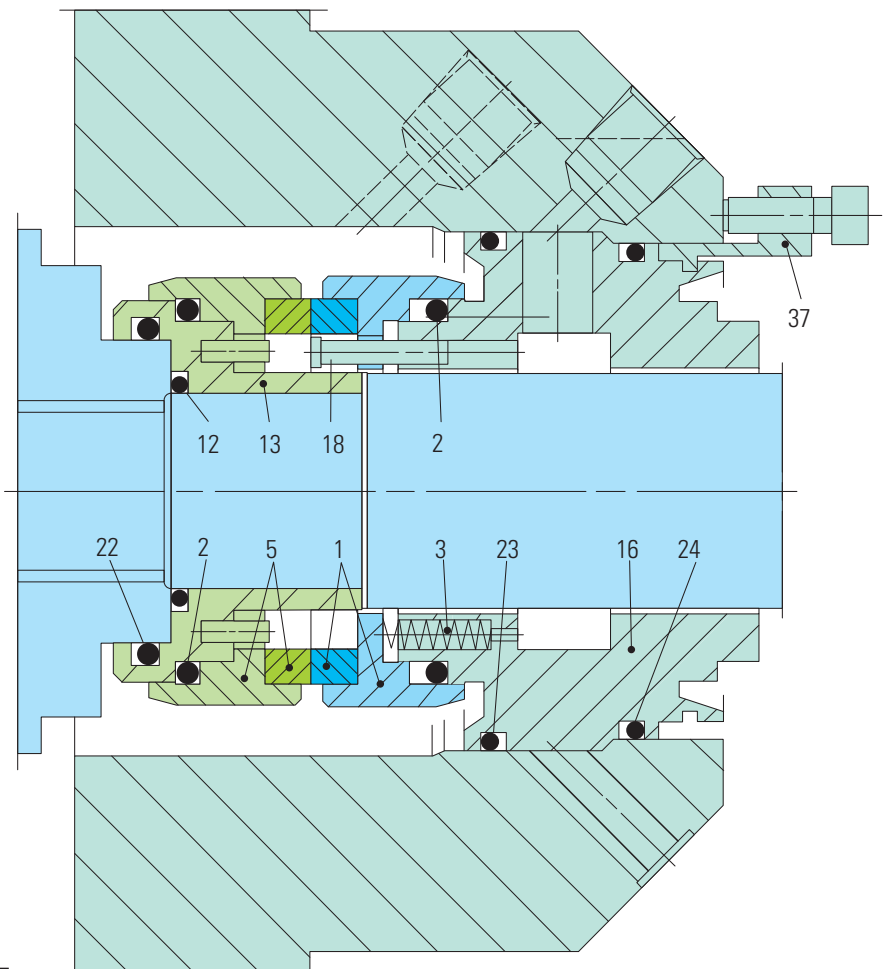
Seal face: Silicon carbide (Q12), Carbon (A)
Secondary seals: FKM (V), EPDM (E),
FFKM (K)
Metal parts: CrNiMo steel (G),
Grade 5A (4T), SMO 654 (4U)

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

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,	O-ring
23, 24	
3	Spring
13	Sleeve
16	Housing
18	Pin
37	Assembly fixture