

SPI-M535

Elastomer Bellows Mechanical Seal

Technical Data Sheet



Features

Simple structure and easy installation
Single seal and single spring
Bi-directional

SPI-M535 is a compact, bi-direction and single face and unbalanced elastomer bellows mechanical seal.

The product is characterized by mass production, with low cost and economical price. Can meet different application conditions due to wide offer on Seal rings and elastomer materials. Excellent solution for small shaft household pumps, hot water pumps.

Recommended Applications

Water treatment
Small Centrifugal water pumps
Food industry
Other Rotating Equipment

Operating range

Shaft diameter: $d_1 = 12 \dots 18 \text{ mm}$

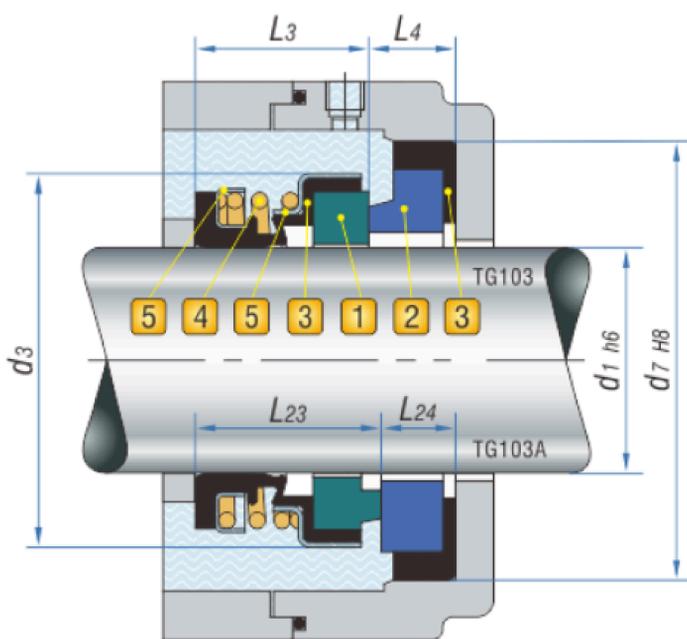
Pressure: $p = 0 \dots 0.4 \text{ Mpa}$ (58 psi)

Temperature: $t = -20 \text{ }^\circ\text{C} \dots 150 \text{ }^\circ\text{C}$ (-4°F to 302°F)

Sliding velocity: $V_g \leq 3000 \text{ r/m}$

Notes: The range of pressure, temperature and sliding velocity is depend on seals combination materials

Product Structure



Combination Materials

1. Rotary Face

Carbon graphite resin impregnated **Ak**
Reaction Bonded Silicon carbide (RBSiC) **O**
Hot-Pressing Carbon **Ac**

2. Stationary Seat

Aluminium oxide (Ceramic) **B**
Reaction Bonded Silicon carbide (RBSiC) **O**
Tungsten carbide **W1**

3. Auxiliary Seal

Nitrile-Butadiene-Rubber (NBR) **P**
Fluorocarbon-Rubber (FKM) **V**
Ethylene-Propylene-Diene (EPDM) **E**

4. Spring

Stainless Steel (SUS304) **F**

5. Metal Parts

Stainless Steel (SUS304) **F**