

SPI-M520

Elastomeric Diaphragm Seal

Technical Data Sheet



Features

Single and elastomer bellows mechanical seal
Bi-directional
Non-sliding design structure, elastomer bellows automatically compensates for primary ring wear.
Available in metric

SPI-M520 mechanical seal with simple and effective structure, bi-directional rotation, unbalanced elastomer diaphragm seal. It is easy installation and reliable sealing performance. Suitable for small shaft diameter centrifugal water pumps, jet pumps, swimming pool pumps and wastewater pumps.

Recommended Applications

Water and waste water technology
Process pumps
Industrial pumps
Petroleum chemical industry
Other Rotating Equipment

Operating range

Shaft diameter: $d_1=8\text{...}55\text{mm}$

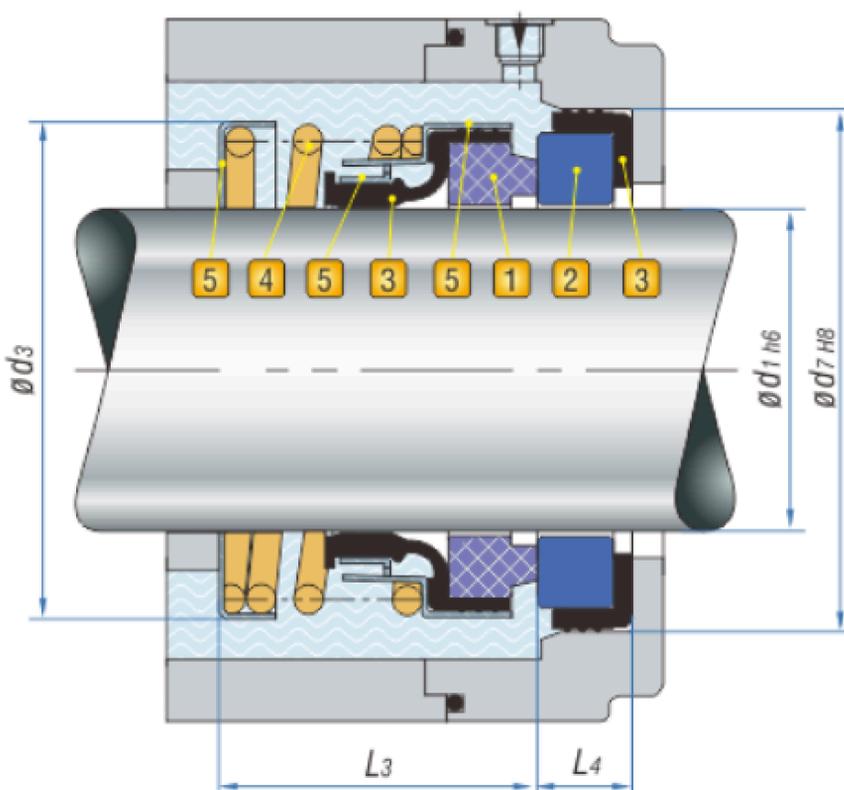
Pressure: $p=0\text{...}0.6\text{Mpa}$

Temperature: $t = -20\text{ }^\circ\text{C} \text{...}150\text{ }^\circ\text{C}$

Sliding velocity: $V_g \leq 8\text{m/s}$

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
Silicon carbide (RBSiC) O
Hot-Pressing Carbon Ac
Tungsten carbide W1

2. Stationary Seat

Aluminium oxide (Ceramic) B
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
Stainless Steel (SUS316) G

5. Metal Parts

Stainless Steel (SUS304) F
Stainless Steel (SUS316) G