

SPI-M480

Double Face Mechanical Seals
Technical Data Sheet



Features

Double Face and elastomer bellows mechanical seal
Bi-directional
Non-sliding design structure, elastomer bellows automatically compensates for primary ring wear.

Type SPI-M480 is a double-end mechanical seal composed of two sets of SPI-M480 seals arranged back-to-back. SPI-M480 is ideal for used in submersible pumps and other rotating shaft equipment.

Recommended Applications

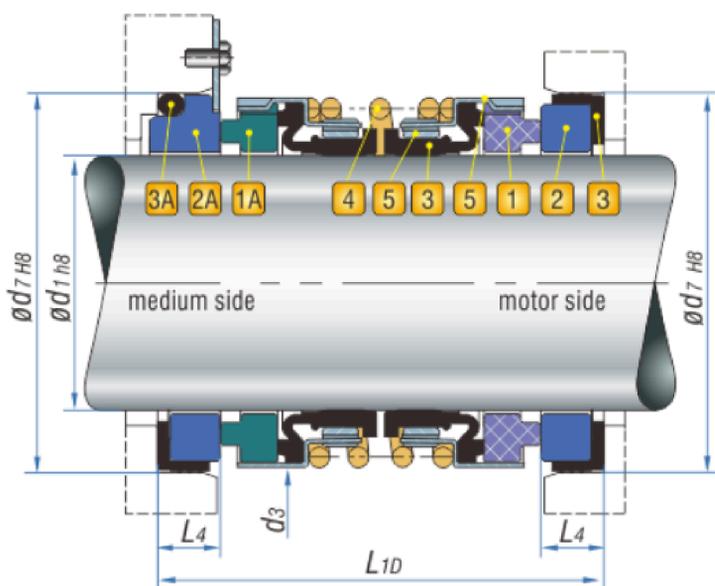
Water and waste water technology
Process pumps
Industrial pumps
Submerged pump
Petroleum chemical industry
Other Rotating Equipment

Operating range

Shaft diameter: $d_1=16...55\text{mm}$
Pressure: $p=0.05...0.3\text{Mpa}$
Temperature: $t = -20\text{ }^\circ\text{C} \dots 150\text{ }^\circ\text{C} (-4\text{ }^\circ\text{F to } 302\text{ }^\circ\text{F})$
Sliding : $n \leq 3600\text{r/min}$

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 **Wl**

2. Stationary Seat

Aluminium oxide (Ceramic) **B**
Silicon carbide (RBSiC) **O**
Tungsten carbide **Wl**

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**