

SPI-M390

AES Seal Type P02 Replacement
Technical Data Sheet



Features

Single and elastomer bellows mechanical seal
Bi-directional
Non-sliding design structure, elastomer bellows automatically compensates for primary ring wear. SPI-M390 show difference in the dimensional data, available with different standard working lengths. Available in metric and inch sizes

SPI-M390 model is designed for mass production. Each parts structure has a high degree of interchangeability and a highly versatile seal. It can Automatic adjustment compensates for abnormal shaft-end play, run-out, primary ring wear and equipment tolerances, due to elastomer diaphragm has excellent stretching and twisting capabilities. Widely used in centrifugal pumps, rotary pumps, turbines, compressors, coolers and other rotating shaft equipment.

Recommended Applications

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

Operating range

Shaft diameter: $d_1=10\text{...}75\text{mm}$ (0.375" ... 3.000")

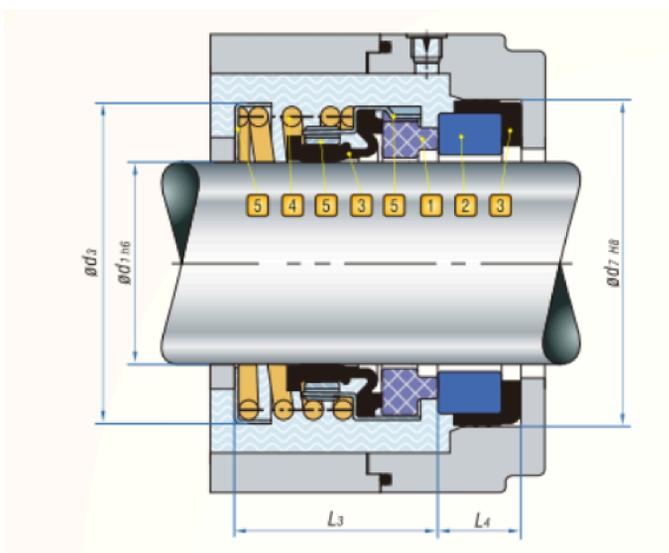
Pressure: $p=0\text{...}1.2\text{Mpa}$

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

Sliding velocity: $V_g \leq 13\text{m/s}$ (42.6ft/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**

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**