

SPI-M425

Pac-Seal Type 16 Replacement
Technical Data Sheet



Features

Process pumps
Centrifugal water pumps
Swimming pools pumps
Other Rotating Equipment

SPI-M425 is a compact, bi-directional elastomer bellows mechanical seal.

It adopts a special Hex-Drive design, providing reliable torque transmission and stable sealing performance.

SPI-M425 can meet different application conditions thanks to a wide selection of seal ring materials and elastomer options. It is an ideal solution for small-shaft centrifugal water pumps, jet pumps, swimming pool pumps, and wastewater pumps, where compact design and dependable sealing are required

Recommended Applications

Process pumps
Centrifugal pumps
Turbine pumps
Other rotary equipment

Operating range

Shaft diameter: $d_1=0.375'' \dots 1.000''$

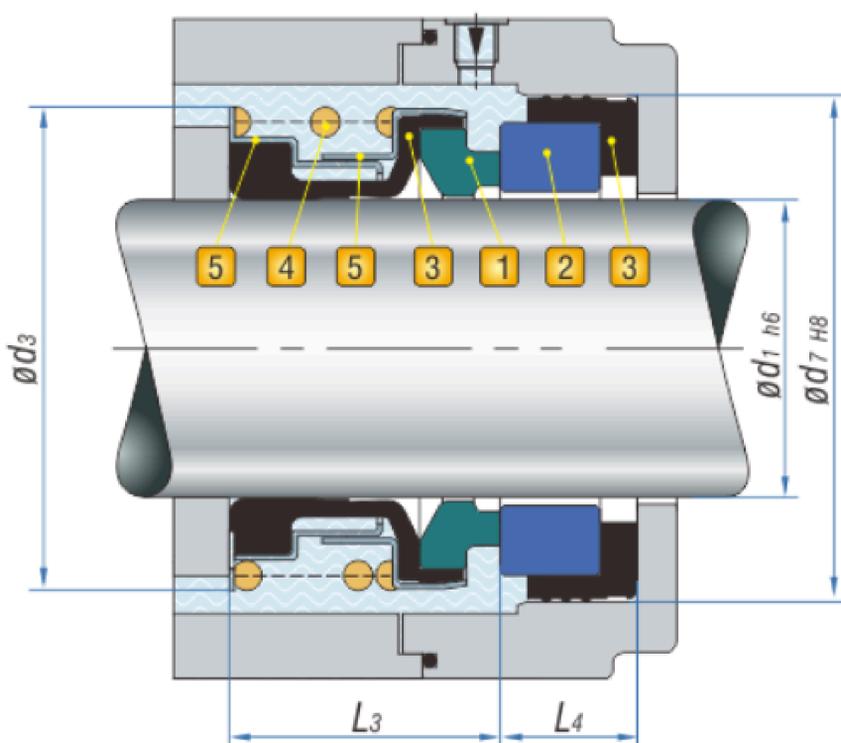
Pressure: $p=0\dots 1.0\text{Mpa}$ (145psi)

Temperature: $t = -30\text{ }^\circ\text{C} \dots 180\text{ }^\circ\text{C}$ (-22°F to 356°F)

Sliding velocity: $V_g \leq 10\text{m/s}$ (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**
Hot-Pressing carbon **Ac**
Reaction Bonded Silicon carbide (RBSiC) **O**
Sintered Silicone Carbide (SSiC) **O1**
Tungsten carbide W1

2. Stationary Seat

Aluminium oxide (Ceramic) **B**
Reaction Bonded Silicon carbide (RBSiC) **O**
Sintered Silicone Carbide (SSiC) **O1**
Tungsten carbide W1

3. Auxiliary Seal

Nitrile-Butadiene-Rubber (NBR) **P**
Fluorocarbon-Rubber (Viton) **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**