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SPI-M380

John Crane Type2100 Replacement
Technical Data Sheet

Features

SIingle Seal，easy installation and replacement
Innovative bellows design is pressure-supported and will not crease or fold under high pressure
Conform with DIN24960 EN12756 DIN24960，ISO3069 standard
Robust Material Options

SPI-M380 mechanical seal is a highly reliable and versatile sealing solution designed for centrifugal pumps, mixers, and other rotating equipment in demanding industrial applications. As part of spi ‘s renowned product portfolio, the Type 2100 combines advanced engineering, durable materials, and a user-friendly design to ensure optimal performance in challenging environments.

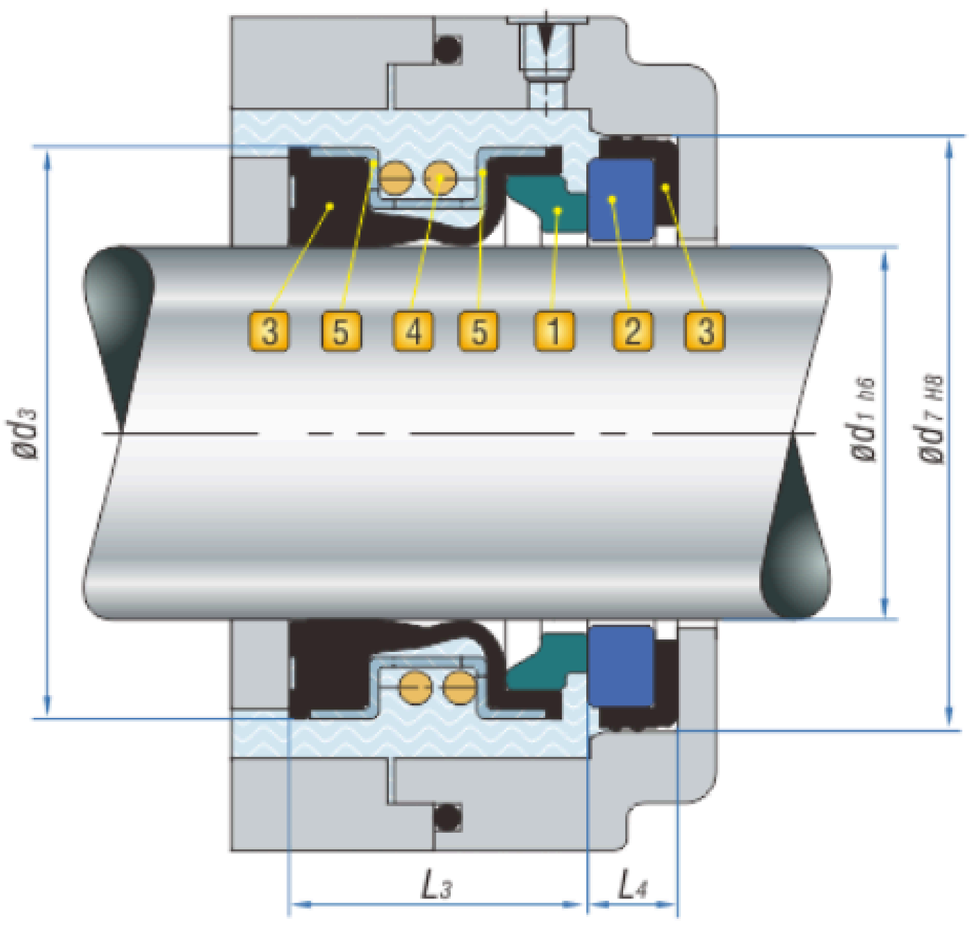
Recommended Applications

Process pumps
Centrifugal pumps
Turbine pumps
Other rotary equipment

Operating range

Shaft diameter: d1=10...75mm(0.375'' ...3.000'')
Pressure: p=0...1.2Mpa（174psi）
Temperature: t = -20 °C ...150 °C(-4°F to 302°F)
Sliding velocity: Vg≤13m/s（42.6ft/m）
Notes: The range of preesure,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 Bond Silicon carbide (RBSIC) **O**
   - Sintered Silicone Carbide (SSIC) **O1**
   - Tungsten carbide **W1**
2. Stationary Seat
   - Aluminium oxide(Ceramic) **B**
   - Reaction Bond 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**