

SPI-M120

Parallel Spring Mechanical Seals
Technical Data Sheet



Features

Unbalanced Mechanical Seal
Different rotary ring material option
Drive lugs
Bi-directional

SPI-M120 with extend combination material options designed, frequently used in sewage treatment, low corrosive media such as oil and chemical industry. Mechanical seal type SPI-M120 with O-Ring pusher construction and single seals.

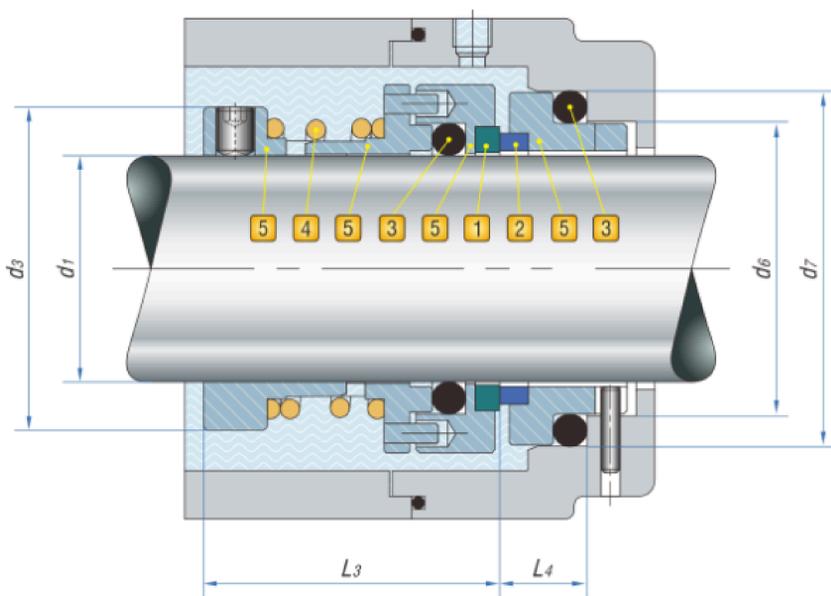
Recommended Applications

Petrochemical industry and sewage treatment industry
Low solids content or viscous media
Sewage pumps, chemical pumps, screw pumps
Other Rotating Equipment.

Operating range

Shaft diameter: $d_1=20\text{...}95\text{mm}$
Pressure: $p=0\text{...}1.2\text{Mpa}$ (174psi)
Temperature: $t = -20\text{ }^\circ\text{C} \text{...}180\text{ }^\circ\text{C}$ (-4°F to 356°F)
Sliding velocity: $V_g \leq 15\text{m/s}$ (49.2ft/s)
Notes: The range of pressure, temperature and sliding velocity is depend on seals combination materials

Product Structure



Combination Materials

1. Rotary Face

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O₁
- Tungsten Carbide.Ni-binder W

2. Stationary Seat

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O₁
- Tungsten Carbide.Ni-binder W

3. Auxiliary Seal

- Fluorocarbon Rubber FKM V
- Etylene Propylene Rubber EPDM E
- Perfluorocarbon Rubber FFKM K

4. Spring

- GrNi-Steel (AIS1304) F
- GrNiMo-Steel (AIS131 6) G

5. Metal Parts

- GrNi-Steel (AIS1304) F
- GrNiMo-Steel (AIS131 6) G