

SPI-M165

Multiple Spring Mechanical Seal
Technical Data Sheet



Features

Balanced seal
spring built-in protected
Complete and reliable in Drive
Excellent versatility

SPI@ offer specific design seal for hygienic applications, Spring built-in protected, avoid direct touch with medium. Step pressing drive ensure high performance Seal material meets FDA requirements, apply to food hygiene and pharmacy industry.

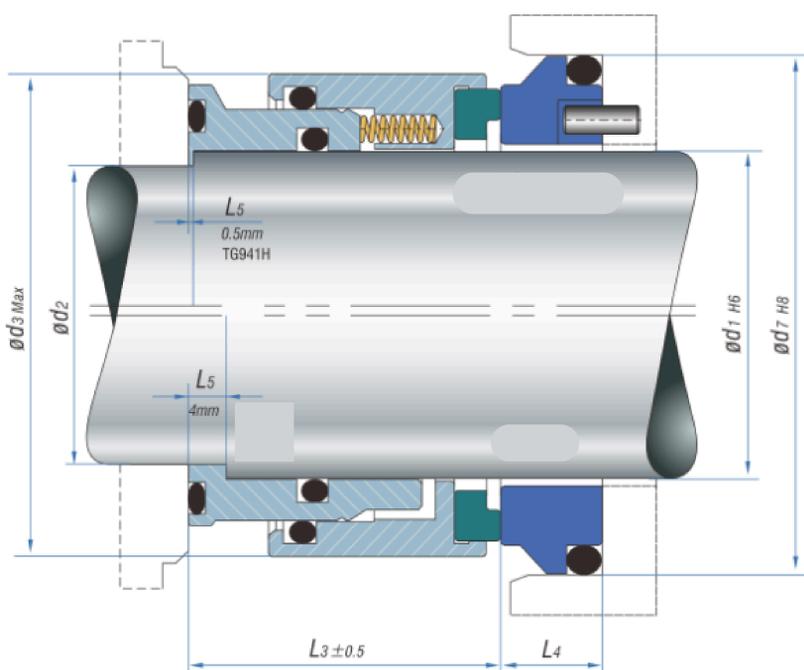
Recommended Applications

Chemical industry
Industry pumps
Process Pumps
Oil refining and petrochemical industry
Other Rotating Equipment

Operating range

Shaft diameter: $d_1=28\text{...}35\text{mm}$
Pressure: $p=0\text{...}2.5\text{Mpa}$ (362.5psi)
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

- Carbon graphite, resin impreg A_K
- Carbon graphite, antimony impreg A_D
- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O_1
- Tungsten Carbide.Ni-binder W

2. Stationary Seat

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O_1
- Tungsten Carbide.Ni-binder W

3. Auxiliary Seal

- Elastomers O-ring
- Fluorocarbon Rubber FKM V
- Etylene Propylene Rubber EPDM E
- Tetraflouroe Thylene Propylene Rubber EPDM X
- Perfluorocarbon Rubber FFKM K
- Pure PTFE (PTFE) T

4. Spring

- Hastelloy C-4 M
- GrNiMo-Steel (AIS1316) G

5. Metal Parts

- Hastelloy C-4 M
- GrNiMo-Steel (AIS1316) G