

SPI-M275

John Crane Type 670 series replacement
Technical Data Sheet



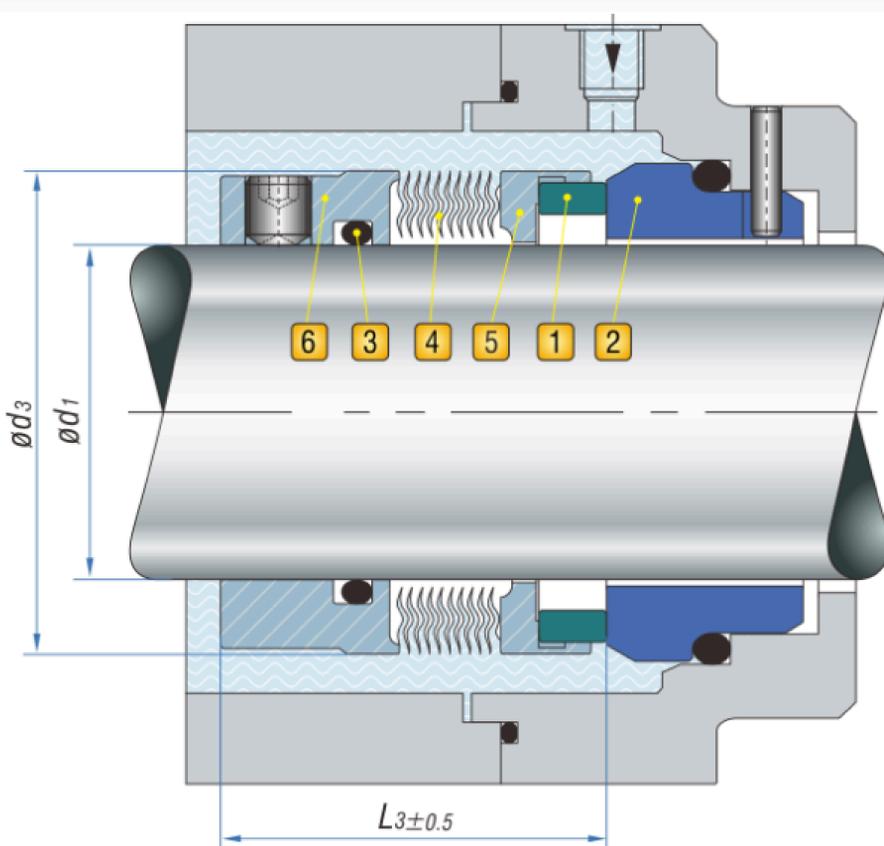
Features

Welded metal bellows
Bi-directional
Balanced
O-ring auxiliary seal
Comply with API682 requirements
Available with DOUBLE-PLY Bellows
SPI-M275、 SPI-M275 seals, equivalent to Type 275
SPI-M275 seal, equivalent to Type 275

Recommended Applications

Refining technology, Oil and gas industry
Process industry
Pumps
Special Rotating Equipment.

Product Structure



Combination Materials

1.BELLOWS

- CriiMo-steel G
- AM350 M₈
- Hastelloy C-276 M₅

4.ROTARY HEAD

- CrNiMo-steel G
- Alloy 42 T4
- Hastelloy C-276 M₅

2.SEAL FACE

- Carbon graphite A₀
- Sintered Silicon O₁
- Sintered Silicon O₁
- antimony impreg
- Carbide SSIC
- Carbide SSIC

5.METAL PARTS

- CrNiMo-steel G
- CrNiMo-steel G
- Hastelloy C-276 M₅

3.AUXILIARY SEAL

- FKM V
- FFKM K
- FKM V
- PEP M₁
- FKM V
- NBR P
- EPDM E
- FFKM K

6.APPLICATION

- Non-corrosive medium
- Mildly corrosive medium
- Corrosive medium

SPI-M275 series seal is a welded metal bellows rotating seal with 45° bellows design, which makes the stress distribution more reasonable and flexibility, to ensure seals has advantages of reliable sealing and good matching property. The seal has excellent dynamic performance and has a wide range of applications.

Operating range

Shaft diameter:

d1=18...100mm(0.750"...4.000")

Pressure: p=0...2.5Mpa (362.5psi)

Temperature: t = -40 °C ...290 °C(-40°F to 554°F)-SPI-M275

t = -20 °C ...220 °C(-4°F to 428°F)-SPI-M275

t = -20 °C ...150 °C(-4°F to 302°F)-SPI-M275

Sliding velocity: Vg≤25m/s (or Vg≤5,000rpm) (82ft/s))

Notes: The range of pressure,temperature and sliding velocity is depend on seals combination materials