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SPI-M140

John Crane Type 8B-1/Type 109B
Replacement
Technical Data Sheet

Features

Multiple Spring Design
Ealanced SealBi-directional
Equivalent to Type8B-1
Type109B

SPI-M140 Auxiliary seal is rubber 0-ring structure SPI-M140 Auxiliary seal is PTFE wedge ring structure

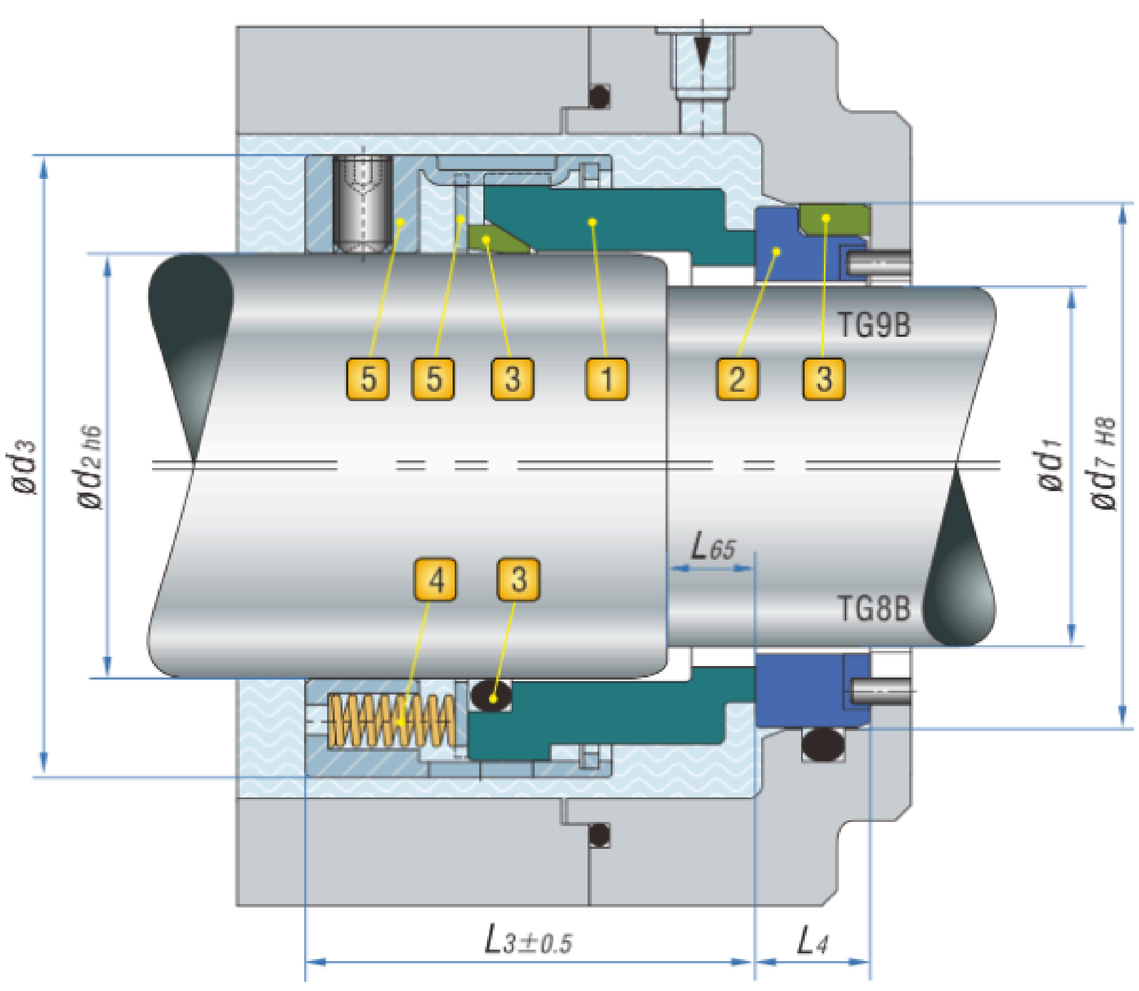
Recommended Applications

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

Operating range

Shaft diameter: d1=18...100mm(1.000''...4.000'')
Pressure: p=0..5.2Mpa（754psi）
Temperature: t = -40 °C .. 200 °C(-40°F to 392°F)(TG8B)
t = -29 °C .. 260 °C(-20.2°F to 500°F)(TG9B)
Sliding velocity: Vg≤25m/s（82ft/s）（5000fpm）
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 impreg A_K
- Reaction Bonded Sic RBSlC O
- Sintered Silicon Carbide SSlC O_1
- Tungsten Carbide.Ni-binder W

2. Stationary Seat

- Reaction Bonded Sic RBSlC O
- Sintered Silicon Carbide SSlC O_1
- Tungsten Carbide.Ni-binder W

3. Auxiliary Seal

- Elastomers 0-ring(TG8B)
- Fluorocarbon Rubber FKM V
- Etylene Propylene Rubber EPDM E
- Perfluorocarbon Rubber FFKM K
- PTFE wedge ring (TG9B)
- Pure PTFE T

4. Spring

- GrNiMo-Steel (AlS1316) G
- Hastelloy C-4 M

5. Metal Parts

- GrNi-Steel (AlS1304) F
- GrNiMo-Steel (AlS1316) G