

SPI-M295

Pac-seal Type 21 /31 Replacement
Technical Data Sheet



Features

Unique design in the hexagonal torque drive eliminates stresses on the elastomer bellows
Flexibility design in the elastomer bellows can reduce shaft play and run out
Single seal, unbalanced, single spring
Good interchange ability, SPI-M295 Dimensional data conform with standard, SPI-M295 conform with standard
Available in metric and inch sizes
SPI-M295 series can also be used as double face mechanical seals in two sets arrangement

Universal elastomer bellows mechanical seals SPI-M295 series can be used in wide range of operating conditions such as slurry, Oil, corrosive chemicals applications. It is frequently used by Sewage pumps, Coolant Pumps, Drainage Pumps and Food processing industries.

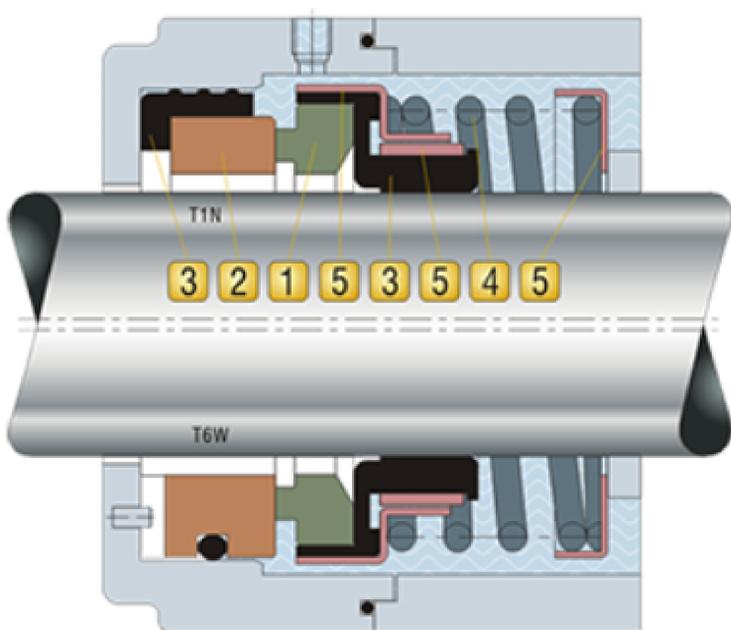
Recommended Applications

Water and waste water technology
Drainage Pumps
Coolant Pumps
Process pumps
Other Rotating Equipment

Operating range

Shaft diameter: $d1=10\text{...}75\text{mm}$ (0.375" ...3.000")
Pressure: $p=0\text{...}1.5\text{Mpa}$ (217.5psi)
Temperature: $t = -20\text{ }^{\circ}\text{C} \text{...}150\text{ }^{\circ}\text{C}$ (-4°F to 302°F)
Sliding velocity: $V_g \leq 13\text{m/s}$ (42.6ft/m)
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 impregnated Ak
- Silicon carbide (RBSIC) O

2. Stationary Seat

- Aluminium oxide (Ceramic) B
- Silicon carbide (RBSIC) O
- 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

5. Metal Parts

- Stainless Steel (SUS304) F

Stationary Seat

Standard Stationary Seat: T1, T2

T1 equivalent to John Crane NG

T2 equivalent to John Crane N

Alternatives Stationary Seat: T6WG, T6W

T5 equivalent to John Crane WG

T6 equivalent to John Crane W

