

SPI-M495

Elastomer Bellows Mechanical Seal

Technical Data Sheet



Features

Can be installed to various shaft sizes due to the clearance between the shaft and seal components
Single-Spring, Unbalanced elastomer bellows mechanical seal

SPI-M495 is a compact,bi-direction and static structure elastomer bellow mechanical seal.Used in small shaft diameters centrifugal water pumps and jet pumps.SPI-M495 and TGSB,shpwing with two different dimension standard.

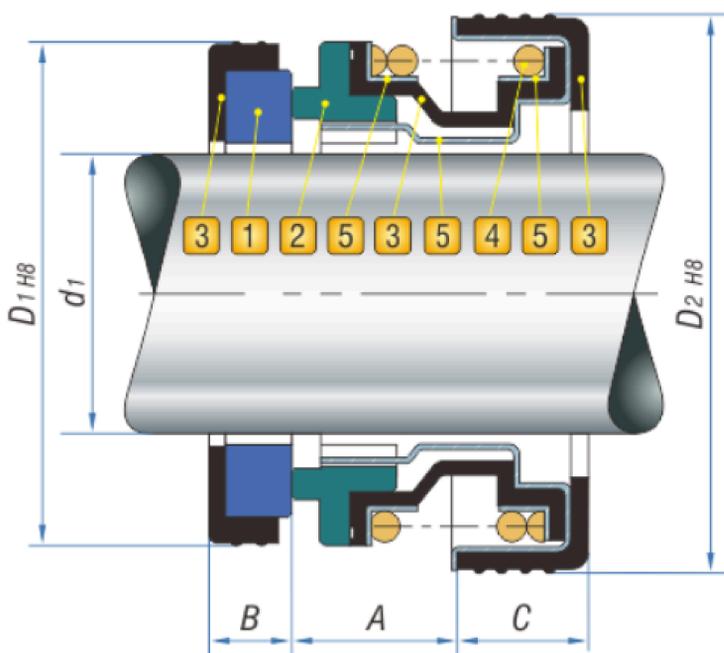
Recommended Applications

Water and waste water technology
Building service industry
Swimming pool pumps
Generator pumps

Operating range

Shaft diameter: $d_1=10\text{...}30\text{mm}$
Pressure: $p=0\text{...}0.3\text{Mpa}$ (43.5psi)
Temperature: $t = -35\text{ }^\circ\text{C} \text{...}150\text{ }^\circ\text{C}$ (-31°F to 302°F)
Speed: $n\leq 5000\text{m/s}$
Notes: The range of pressure,temperature and sliding velocity is depend on seals combination materials

Product Structure



Combination Materials

1. Rotary Face

Aluminium oxide B

Reaction Bonded Silicon carbide (RBSIC) O

2. Stationary Seat

Carbon graphite resin impregnated Ak

Hot-pressing carbon Ac

Reaction Bonded Silicon carbide (RBSIC) O

3. Auxiliary Seal

Nitrile-Butadiene-Rubber (NBR) P

Fluorocarbon-Rubber (Viton) V

Hydrogenated nitrile-butadiene rubber(H-NBR) H

4. Spring

Stainless Steel (SUS304) F

Stainless Steel (SUS316) G

5. Metal Parts

Stainless Steel (SUS304) F

Stainless Steel (SUS316) G