

SPI-M410

EagleBurgmann MG912 Replacement
Technical Data Sheet



Features

Single and elastomer bellows mechanical seal
Bi-directional
Non-sliding design structure, elastomer bellows automatically compensates for primary ring wear.
Vailable in metric and inch sizes

It adopts specially designed rubber bellows and has excellent compensation ability for axial movement, effectively compensating for the impact of axial movement and beating of the equipment on the seal.

High flexibility due to extended selection of materials in rotary face and stationary seat.

SPI-M410-12, SPI-M410-13, SPI-M410-20K, SPI-M410-21U show different standards and are used in different working lengths.

SPI-M410-12 Equivalent to Burgmann MG912 EN12756 (T1G60)

SPI-M410-13 Equivalent to Burgmann MG913 EN12756 (T1G60)

SPI-M410-20K Equivalent to Burgmann MG920 Euro standard (T1G50)

Recommended Applications

Water and waste water technology
Process pumps
Industrial pumps
Petroleum chemical industry
Other Rotating Equipment

Operating range

Shaft diameter: $d_1=10\text{...}100\text{mm}$

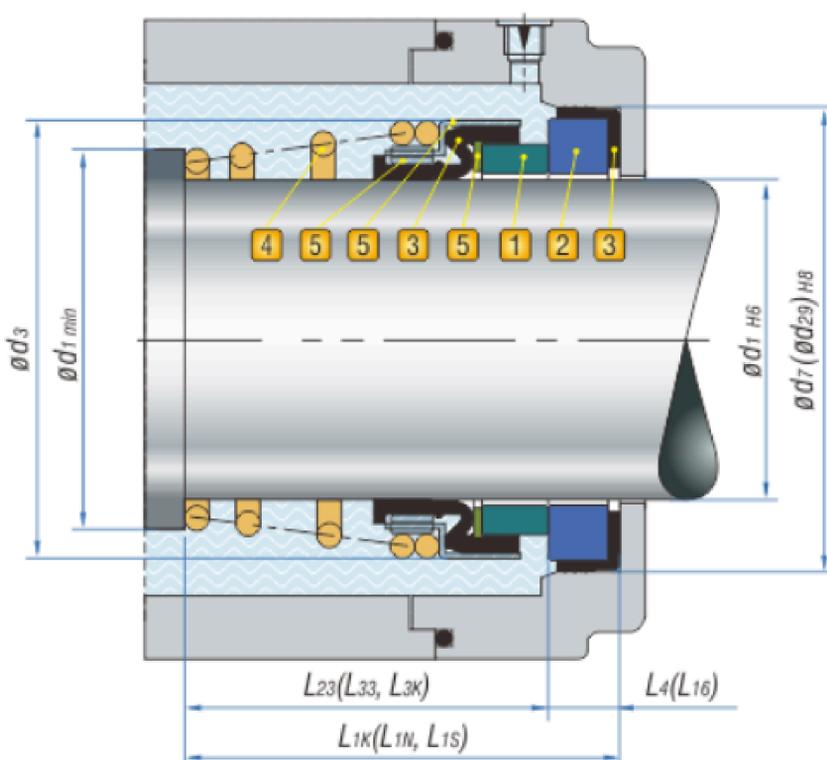
Pressure: $p=0\text{...}1.2\text{Mpa}$ (174psi)

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**

Hot-Pressing Carbon **Ac**

Tungsten carbide **Wl**

2. Stationary Seat

Aluminium oxide (Ceramic) **B**

Silicon carbide (RBSiC) **O**

3. Auxiliary Seal

Nitrile-Butadiene-Rubber (NBR) **P**

Fluorocarbon-Rubber (FKM) **V**

Ethylene-Propylene-Diene (EPDM) **E**

4. Spring

Stainless Steel (SUS304) **F**

Stainless Steel (SUS316) **G**

5. Metal Parts

Stainless Steel (SUS304) **F**

Stainless Steel (SUS316) **G**