

# SPI-M540

Elastomer Bellows Mechanical Seal

Technical Data Sheet



## Features

With full enclosed elastomer bellows design  
Single seal and single spring  
Bi-directional

Unbalanced, single face, elastomer bellows mechanical seal type SPI-M540 are simple structure, easy installation and mass-produced. It is widely used in building industry and centrifugal water pumps.

## Recommended Applications

Water treatment  
Centrifugal water pumps  
Food industry  
Other Rotating Equipment

## Operating range

**Shaft diameter:**  $d_1=14\text{.....}20\text{mm}$

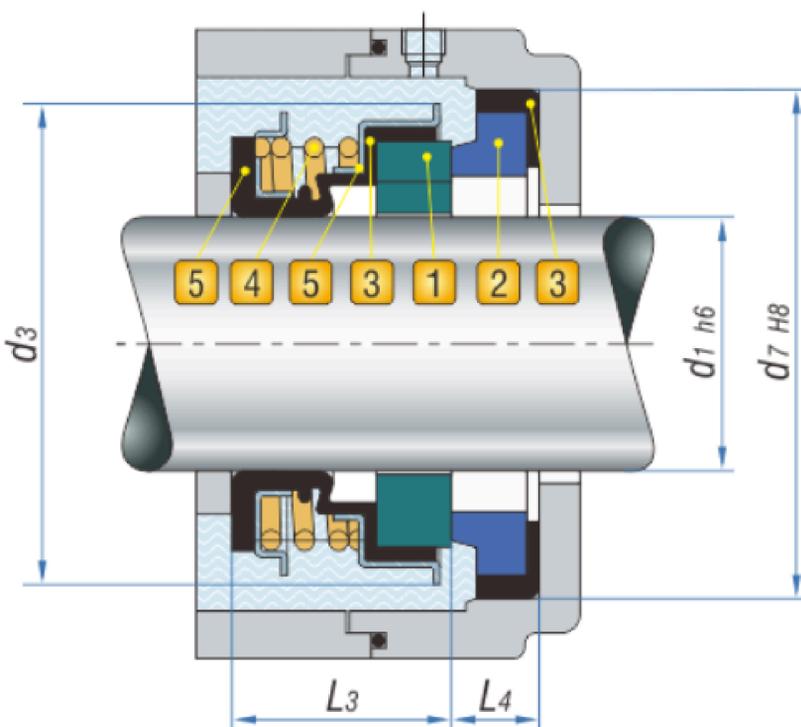
**Pressure:**  $p=0\text{...}0.3\text{Mpa}$  (43.5 psi)

**Temperature:**  $t = -20\text{ }^\circ\text{C} \text{ .. } 80\text{ }^\circ\text{C}$  (-4°F to 176°F)

**Sliding velocity:**  $V_g \leq 3000\text{m/s}$

**Notes:** The range of pressure, temperature and sliding velocity is dependent on seal combination materials.

## Product Structure



## Combination Materials

### 1. Rotary Face

Aluminium oxide B

### 2. Stationary Seat

Aluminium oxide B

### 3. Auxiliary Seal

Nitrile-Butadiene-Rubber (NBR) P

Fluorocarbon-Rubber (FKM) V

### 4. Spring

Stainless Steel (SUS304) F

### 5. Metal Parts

Stainless Steel (SUS304) F