

# SPI-M395

PAC SEAL Type 21 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, Dimensional data conform with US standard, conform with standard  
Available in metric and inch sizes  
series can also be used as double face mechanical seals in two sets arrangement

SPI-M395 is a parallel spring elastomer diaphragm seal with compact structure, bi-directional rotation and integrated dynamic components, which complies with the American standard seal chamber size. SPI-M395 used Hex-Drive, with reliable drive and stable sealing performance. Seal rings and auxiliary seal are available in a variety of materials to meet different application conditions. Widely used in centrifugal pumps, rotary pumps, turbines compressors, coolers and other rotating shaft equipment.

## Recommended Applications

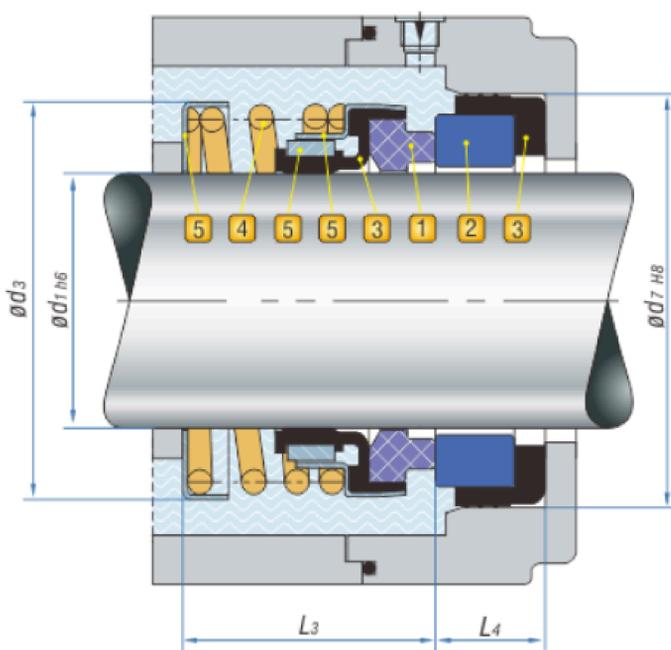
Water and waste water technology  
Process pumps  
Industrial pumps  
Petroleum chemical industry  
Other Rotating Equipment

## Operating range

**Shaft diameter:**  $d_1=10...75\text{mm}(0.375" \dots 3.000")$   
**Pressure:**  $p=0...1.7\text{Mpa} (246\text{psi})$   
**Temperature:**  $t = -20\text{ }^\circ\text{C} \dots 205\text{ }^\circ\text{C}(-4\text{ }^\circ\text{F} \text{ to } 401\text{ }^\circ\text{F})$   
**Sliding velocity:**  $V_g \leq 13\text{m/s} (42.6\text{ft/m})$

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  
Tungsten carbide Wl

### 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