

# Single Cartridge Mechanical Seal (Unbalanced Design)

## TYPE : SC625

### Face Materials :

- Carbon / Silicon Carbide / Tungsten Carbide

### Secondary Seals :

- FKM (Viton) / EPDM / Aflas / EPR / Neoprene /  
FFKM (Kalrez) / PTFE / TTV

### Hardware :

- SS 304 / SS 316 / Duplex / Hastelloy C-276 /  
Alloy 20 / Titanium

### Operating Limits :

**Size:** 20.0 mm to 300.0 mm (0.750" to 12.000")

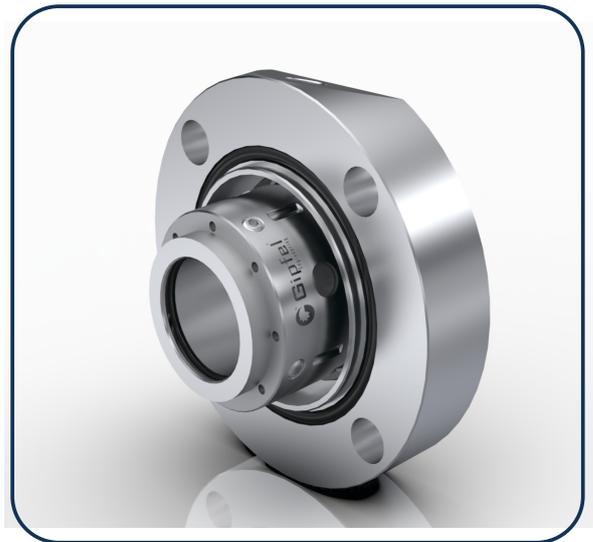
**Speed:** 2900 rpm

**Pressure:** 12 bars (174 psi)

**Temperature:** -40 °C to +220 °C (-40 °F +428 °F)

### Application :

- Solvent Plant
- Chilling Plant
- Steel Industry
- Process Pumps
- Mining Industry
- Process Industry
- Centrifugal Pump
- Industrial Blower
- Oil & Gas Industry
- Chemical Industry
- Refining Technology
- Pulp & Paper Industry
- Petrochemical Industry,
- Pharmaceutical Industry
- Power Plant Technology
- Food & Beverage Industry
- Water & Waste Water Technology
- Biochemistry, & Other Rotary Equipment Etc.



# Single Cartridge Mechanical Seal (Un-Balance Type)

## Features :

- **Single Seal** for efficient and reliable sealing performance.
- **Quick Installation & Easy Removal** to minimize downtime and simplify maintenance.
- **Multiple & Wave Spring Type** for uniform load distribution and improved sealing efficiency.
- **Factory Assembled & Tested** to ensure high quality, reliability, and consistent performance.
- **Independent of Direction of Rotation**, making it adaptable to various operational conditions.
- **Available in Metric and Inch Sizes** to suit various industrial standards and global compatibility.
- **Internal Arrangement** for enhanced lubrication, pressure handling, and contamination protection.
- **Cartridge Construction** for simplified installation, precise alignment, and reduced installation errors.
- **Cost-Effective due to Refurbishment Possibilities**, extending service life and reducing long-term expenses.
- **Available with or without connections for Flushing & Quenching**, providing flexibility based on application needs.

➤ **DIMENSIONS FOR HIGHER SIZES AVAILABLE ON REQUEST**