Gipfel Engineering

ISO 9001-2015 CERTIFIED COMPANY

Metal Bellow Mechanical Seal
(Single-Cartridge Design (Rotary Bellow Configuration)

TYPE : BC720



Face Materials :

- Carbon / Silicon Carbide / Tungsten Carbide

Secondary Seal :

- FKM (Viton) / EPDM / FFKM (Kalrez) / Graphite`

Hardware :

- SS 316 / SS 316L / Hastelloy C-276 / Alloy 20 / Duplex

Bellow Material :

- AM-350 / Alloy 20 / Hastelloy C / Inconel 625

Operating Limits :

Size : 25.0 mm to 150.0 mm / 1.000" to 6.000"

Speed : 2900 RPM

Pressure : 25 bars (363 PSI)

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

Application :

- Fatty Acid
- LPG Plants
- Biochemistry
- Thermic Fluid
- Hydrocarbons
- Process Industry
- Hot & Cold Media
- Hazardous Liquid
- Chemical Industry
- Oil & Gas Industry
- High Temperature
- Refining Technology
- Petrochemical Industry Etc.

Meet: Gala No. 7, KMC Compound, Behind Hotel Metro Palace, Behram Baug Road, Jogeshwari (West), Mumbai - 400 102. Maharashtra, India.
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Features :

- **Rotary Metal Bellow Design:** Provides superior flexibility and thermal stability, ideal for high-temperature applications and minimizing seal face distortion.
- **Single Cartridge Configuration:** Pre-assembled unit simplifies installation, alignment, and maintenance, reducing the risk of handling errors.
- **Factory Assembled and Pressure Tested:** Each unit is pre-tested for performance assurance, ensuring leak-free operation and compliance with industry standards.
- **API 682 4th Edition Compliant:** Designed to meet the stringent requirements of API 682, ensuring reliability and suitability for critical service in oil and gas applications.
- **Available in Metric and Inch Sizes:** Supports global compatibility with a wide range of equipment and international standards.
- **Quick Installation and Easy Removal:** Reduces downtime during maintenance and change-out, supporting high plant availability.
- **Non-Dependent on Shaft Rotation Direction:** Functionally robust for clockwise or counter-clockwise shaft rotation, enhancing installation flexibility.
- **Integrated Flushing and Quenching Connections:** Built-in ports for auxiliary piping ensure effective cooling, cleaning, or containment as per system requirements.

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