Gipfel Engineering

ISO 9001-2015 CERTIFIED COMPANY

Single Dry Mechanical Seal (Bearing Assembly Configuration)

TYPE : SD900 / SD905



Face Materials :

- Carbon / Ceramic / Silicon Carbide / Tungsten Carbide

Secondary Seals :

- NBR (Nitrile) / FKM (Viton) / EPDM / Aflas / PTFE / TTV / FFKM (Kalrez)

Hardware :

- SS 304 / SS 316 / SS 316L / Duplex / Hastelloy C / Alloy 20

Operating Limits :

Size : 20.0 mm to 300.0 mm / 0.750" to 12.000"
Speed : 150 RPM
Pressure : Vacuum ... to 6 bars (87 psi)
Temperature : -20°C to +150°C (-4°F to +302°F)

Application :

- Mixer
- Blower
- Reactor
- Agitator
- Non-Toxic Media
- Chemical Industry
- Petrochemical Industry
- Pharmaceutical Industry
- Food and Beverage Industry

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

key Features :

- **Directionally Independent Operation:** Functions effectively regardless of shaft rotation direction, enhancing application versatility.
- Available in
- **Externally Mounted Design:** Facilitates easy inspection, operation, and maintenance without disassembling the process equipment.
- **Optional Bearing Assembly:** Available with or without an integrated bearing to suit specific mechanical load and alignment requirements.
- **Rotary Multi-Spring Mechanism:** Ensures uniform axial load on the sealing faces, promoting stable performance and extended seal life.
- **Cost-Effective with Rapid Delivery:** Offers a practical balance of performance, affordability, and short lead times to meet operational demands.
- **Top and Side Entry Compatibility:** Engineered to accommodate both top and side shaft entry setups, offering broad installation flexibility.
- **Simplified Installation and Maintenance:** Designed for straightforward assembly and servicing, minimizing downtime and reducing maintenance costs.
- **Single Seal Configuration:** Delivers dependable sealing performance in dry-running applications, eliminating the need for complex dual-seal arrangements.
- **Factory Assembled and Tested:** Each unit is pre-assembled and rigorously tested to ensure optimal performance, consistency, and reliability upon installation.
- **No Cooling or Lubrication Required:** Eliminates the need for auxiliary cooling or lubrication systems, reducing complexity and operational overhead.
- **Flexible Construction Options:** Offered in Non-Cartridge, Semi-Cartridge, and Cartridge formats to align with different installation preferences and standards.
- **Balanced and Unbalanced Designs:** Available in both hydraulically balanced and unbalanced configurations to match varying pressure and process conditions.

➢ DIMENSIONS FOR HIGHER SIZES AVAILABLE ON REQUEST

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