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# Gas (dry gas) Seal
## (Advanced Non-Contact Sealing Technology)

## TYPE : GS780

**Face Materials :**

- Carbon / Silicon Carbide / Tungsten Carbide

**Secondry Seals :**

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

**Hardware :**

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

**Operating Limits :**

**Size :** 20.0 mm to 300.0 mm (0.750" to 12.000")
**Speed :** 3600 rpm
**Pressure :** 100 bars (1450 psi)
**Temperature :** -40 °C to +220 °C (-40 °F +392 °

F) **Application :**

- Blower
- Gas compressor
- Gas and liquid
- Centrifugal pump
- Hazardous media
- Chemical industry
- Refining technology
- Low viscosity liquid pumps
- Environmental harmful media
- Media which require high purity

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# Gas Seal
# (Advanced Non-Contact Sealing Technology)

## key Features :

- **Leakage Control:** Effectively minimizes gas leakage, improving system reliability.
- **High Efficiency:** Reduces power loss and eliminates the need for liquid lubrication.
- **Factory Assembled & Tested:** Ensures reliability and performance before installation.
- **Multiple Spring Type:** Ensures uniform face loading for consistent sealing performance.
- **Cartridge Construction:** Pre-assembled unit for simplified installation and maintenance.
- **Hydraulically Balanced Type:** Reduces face load and minimizes wear, extending seal life.
- **Metric and Inch Sizes Available:** Compatible with a wide range of equipment specifications.
- **Independent of Unidirectional Rotation:** Functions effectively regardless of shaft rotation direction.
- **Rotary & Stationary Spring:** Designed for flexibility in various installation and operational conditions.
- **Quick Install & Easy Removal:** Streamlined design allows for fast maintenance and reduced downtime.
- **Supplied with Buffer Gas Supply System:** Ensures optimal sealing performance and prevents contamination.
- **Single & Double Seal:** Available in both configurations to suit different pressure and containment requirements.
- **Application in High-Speed Machinery:** Ideal for turbo compressors, centrifugal compressors, and other rotating equipment.
- **Non-contacting Design:** Utilizes aerodynamic or hydrostatic forces to maintain a gap between the sealing surfaces, minimizing friction and wear.
- **Material Compatibility:** Made from high-performance materials such as carbon, ceramics, and specialized metals to withstand harsh operating conditions.

## ➢ DIMENSIONS FOR HIGHER SIZES AVAILABLE ON REQUEST

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