

STANDARD SINGLE CARTRIDGE SEALS

GEM - GENERAL SERVICE ECONOMICAL MODEL SEAL

The springs in the **GEM** are located in the seal gland and not subjected to centrifugal forces permitting this low-cost general service unit to operate on high PV factors. The cast gland reduces the cost of the seal and is ideal for installation on ANSI process pumps in pulp & paper, chemical processing, wastewater treatment, and wherever high speed applications are encountered

Stationary Design

The seal faces are squared 90° to the centerline of the shaft preventing misalignment and allowing for better control of the parallel sealing gap eliminating axial adjustments that cause wear.

Cartridge-Mounted

A completely self-contained unit pre-assembled and pre-set at the factory for ease of installation.

Compact

The narrow cross-section allows for installation on stuffing boxes with minimal radial space without requiring modifications. This includes small ANSI pumps with 5/16" radial space.

Versatile

The slotted gland plate design allows the seal to fit a variety of stud and bolt circle diameters.

Hydraulically Balanced

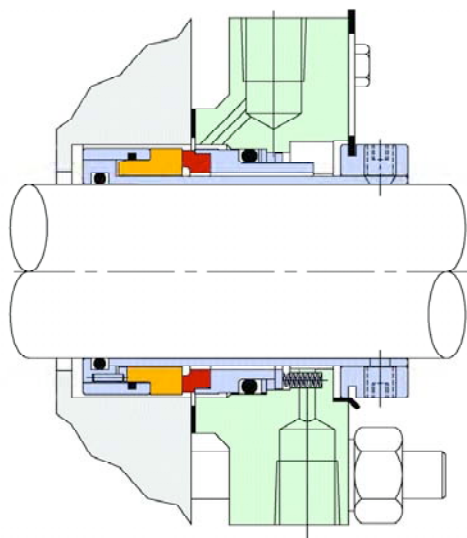
Internal balancing provides for operation in higher pressures and reduces hydraulic loads resulting in cooler operation and extended reliability. This balance reduces power consumption.

Isolated Multiple Springs

Multiple springs provide even mechanical loads for cooler operation and are isolated to prevent clogging from process fluids containing suspended solids.



GEM - SPECIFICATIONS



Metal Parts:

Standard metal parts and set screws: 316 SS
Standard springs: Hastelloy® C

Face Materials:

Standard: High quality chemical grade carbon-graphite, solid nickel bound tungsten carbide, silicon carbide, and ceramic

O-ring Materials:

Standard: Viton®, EPR and Aflas™
Optional: Perfluorinated Elastomers

Operating Capabilities:

Pressure: To 350 psig (24 bar g)
Temperature: 32° to 400°F (0° to 205°C)
Speeds: 7500 fpm (38 m/s)

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