

SPECIAL DUTY SEALS - SINGLE CARTRIDGE

HOS - HOT OIL SEAL

The **HOS** is a balanced, single spring, rotary seal capable of handling conditions much higher than conventional single spring designs. It was developed for use where lubricating products are handled that contain suspended solids as well as thermosensitive liquids that set up and harden at ambient temperatures.

Non-Clogging

The design of the HOS allows operation in liquids that contain suspended solids or thermosensitive products that have a tendency to impede operation as wear occurs.

Single Coil Spring

This spring keeps a consistent load as the faces wear and is more resistant to clogging than other types of loading devices.

Cartridge Mounted

This completely self-contained unit is pre-assembled and pre-set at the factory for ease of installation and maintenance on equipment that requires periodic axial adjustments.

Hydraulically Balanced

Hydraulic balancing is achieved internally allowing operation at high pressures. This also reduces hydraulic loads resulting in cooler operation, less power usage and extended reliability.

Turbulence Enhancer

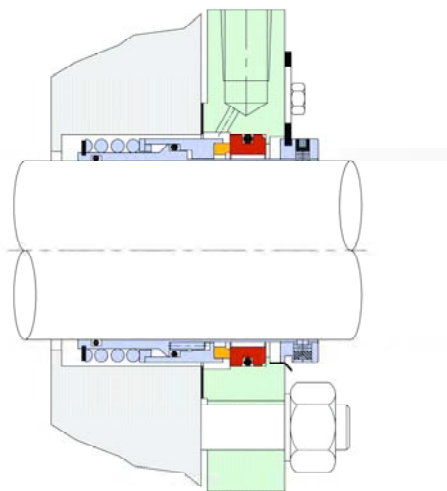
The compression ring is designed to create movement in and around the dynamic o-ring reducing accumulation of solids. This allows correct seal face alignment.

Versatile

The HOS is available for standard and oversized stuffing boxes. The slotted gland allows for versatility in mounting the seal. Machined parts provide superior corrosion resistance and eliminate expensive modifications to the equipment.



HOS - SPECIFICATIONS



Metal Parts:

Standard metal parts and spring: 316 SS
Optional: Low expansion alloys (service over 400°F (205°C))

Face Materials:

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

O-ring Materials:

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

Operating Capabilities:

Pressure: To 350 psig (24 bar g)
Temperature (standard metal): -20° to 400°F (-29° to 205°C)
Temperature (low expansion alloys and perfluorinated elastomer o-rings): -40 to 550°F (-40 to 288°C)
Speeds: 5000 fpm (25 m/s)

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