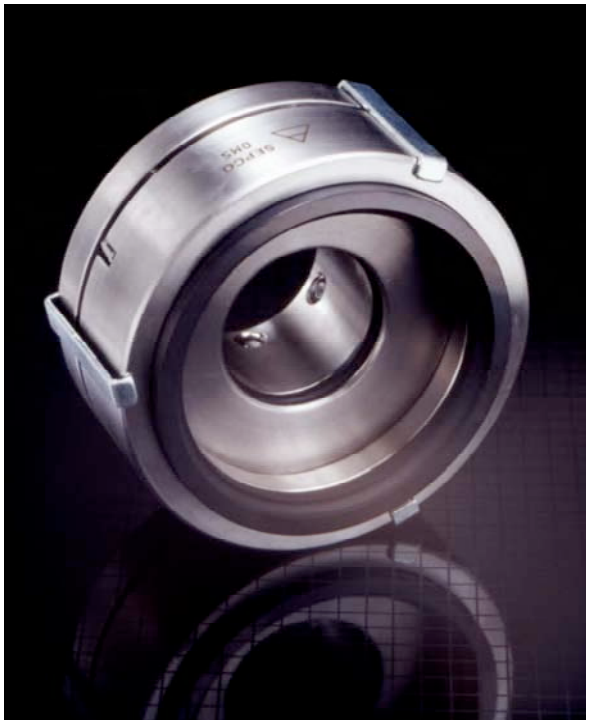
OMS - OUTSIDE MIXER SEAL



The SEPCO® **OMS** is an externally mounted single component seal capable of handling up to 1/4" shaft deflection. This makes it ideal for use on augers, belt driven pumps, mixers, agitators and slow moving rotating equipment with high rates of shaft deflection. The OMS is equipped with multiple springs that provide even mechanical loads reducing wear and extending performance.

Hydraulically Balanced

The OMS is reverse-balanced to prevent catastrophic leakage from face separation caused by stuffing box pressure surges. Hydraulic load is reduced at elevated pressures resulting in cooler operation and long-term reliability.

Easily Installed and Maintained

Since the OMS mounts externally and has assembly clips to fix the axial setting, installation is easy with no installation measurements required. Inspection and adjustment are readily performed to insure correct spring loads are maintained.

Easily Serviced

Adjustments and cleaning are performed without removal and equipment disassembly.

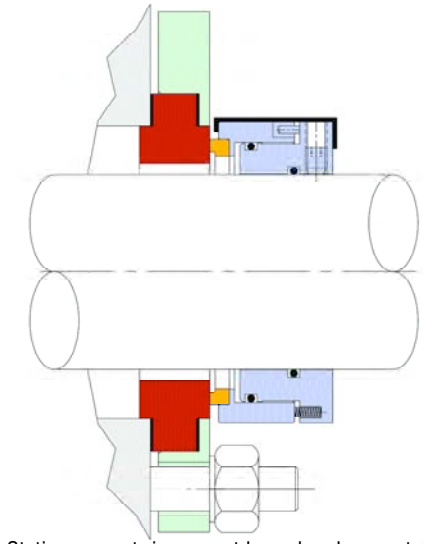
Field Repairable

Components subject to normal wear can be replaced in the field without the cost and inventory associated with factory repair while providing reliability consistent with new seals.

Static Shaft O-Ring

The o-ring that seals to the shaft is static and not required to slide axially along the shaft to accommodate for seal face misalignment. This prevents fretting and eliminates the need to replace expensive shafts and sleeves.

OMS - SPECIFICATIONS



Stationary seat rings must be ordered separately.
Please see page 37 for standard configurations.

Metal Parts:

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

Face Materials:

Standard: High quality chemical grade carbon-graphite and solid nickel bound tungsten carbide
Optional: Silicon carbide

O-ring Materials:

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

Operating Capabilities:

Pressure: To 150 psig (10 bar g)
Temperature: -20° to 250°F (-29° to 121°C)
Speeds: 1000 fpm (5 m/s)