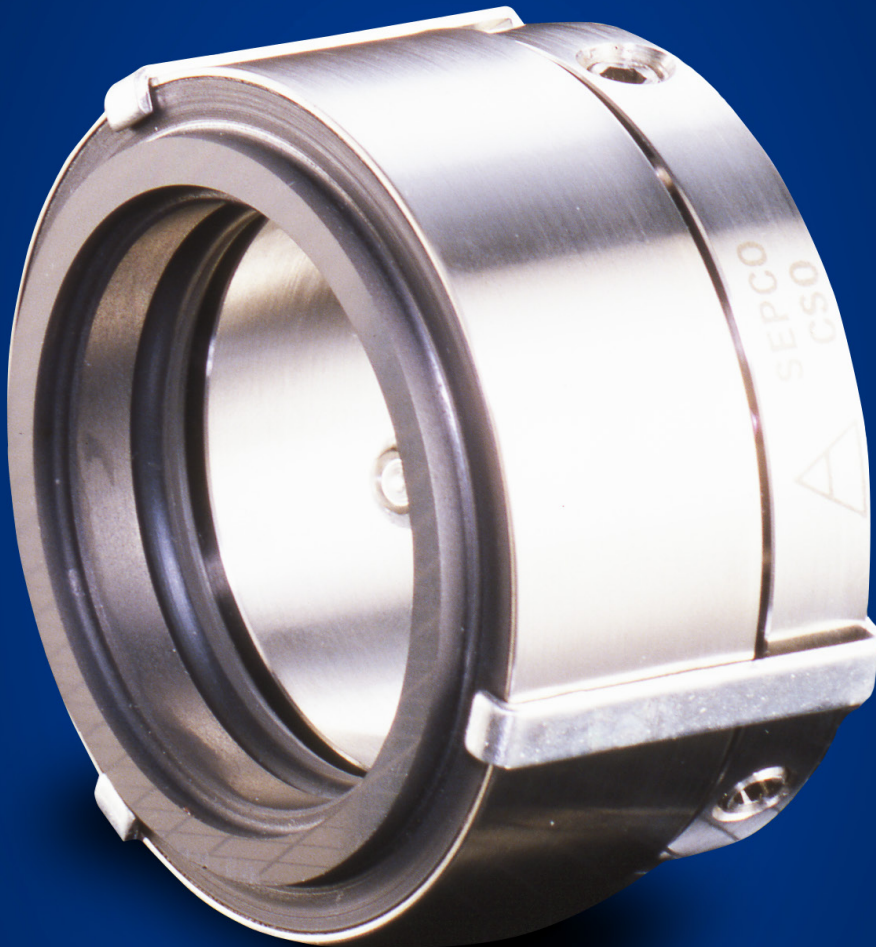


# CSO Corrosive Service Outside Seal

The SEPCO Corrosive Service Outside Seal is a single rotating assembly designed for mounting externally. Since the metal components are isolated from the fluid, the seal can operate in highly corrosive applications without upgrading to expensive exotic alloys. Hydraulic load is reduced at elevated pressures resulting in cooler operation and long-term reliability. The CSO is easy to install, with no installation measurements required. Inspection and adjustment are readily performed to insure correct spring loads are maintained.



## CSO SPECIFICATIONS

### Metal Parts:

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

### Face Materials:

Standard: High quality chemical  
grade carbon-graphite\* Optional:  
Glass filled PTFE, ceramic, siliconized  
carbon\*

\*Metal banded to prevent mechanical  
breakage due to high torque

### O-ring Materials:

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

### Operating Capabilities:

Pressure: To 150 psig (10 bar g)  
Temperature: -20° to 250°F (-29° to  
121°C)  
Speeds: 5000 ft/minute

Certified to ISO 9001:2015 Standards

This information is based on data that we believe to be reliable. Since conditions of product use are outside of our control, we make no warranties, expressed or implied and assume no liability in connection with any use of this information.  
V081720

# CSO Corrosive Service Outside Seal

## HYDRAULICALLY BALANCED

The CSO 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 CSO 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

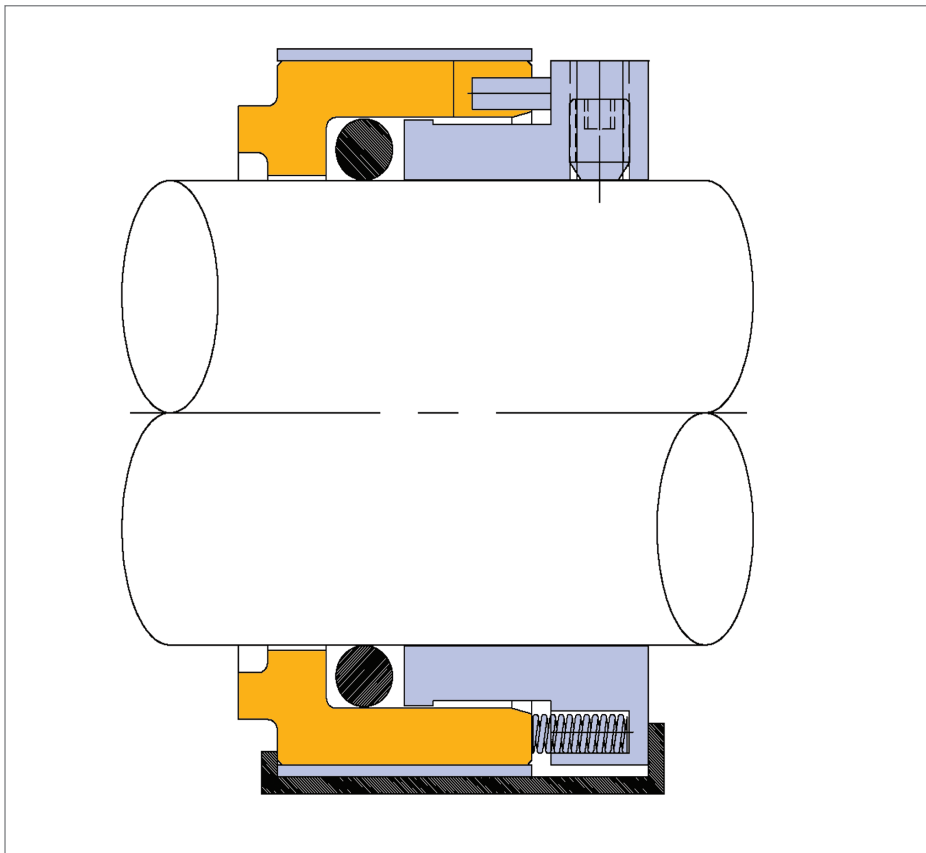
Adjustments and cleaning are performed without removal and equipment disassembly.

## ISOLATED MULTIPLE SPRINGS

Equally spaced multiple springs allow even loads and operate cooler than split collar designs. To prevent clogging and corrosion they are isolated from the process fluid and made from Hastelloy<sup>®</sup>

## 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.



Certified to ISO 9001:2015 Standards