

SPECIAL DUTY SEALS - DOUBLE CARTRIDGE

ESD - EXTERNALLY SET DOUBLE SEAL

The SEPCO® ESD is a back-to-back, multiple seal assembly designed for applications where positive lubrication is required from an external flush without dilution of product. Since all metal parts are isolated and the pumped product is sealed from the stuffing box, the ESD is an economic solution to sealing extremely corrosive and abrasive fluids.

Easily Installed

The ESD is a three-piece seal assembly that is pre-set and pre-assembled at the factory. Since it sets externally, mechanics are not required to make critical installation measurements.

Easily Maintained

Equipment disassembly is not required for axial adjustments.

Versatile

The ESD is designed for fitting small cross-section stuffing boxes. Its minimal internal length fits different stuffing box depths. These provisions are made internal to the seal preventing the need to make expensive equipment modifications.

Multiple Spring Design

This spring design provides even loading for cooler operation and reliability, are isolated from the pumped product to prevent clogging, and made of Hastelloy® C for superior corrosion resistance.

Product Isolated from Stuffing Box

The pumped product is sealed from the stuffing box reducing seal hang up while eliminating corrosive and erosive wear.

Economical & Repairable

Since all metal components are isolated from the pumped product, expensive alloys are not required. All normal wear components are easily replaced at a fraction of the cost of a new seal while gaining new seal performance.



ESD - SPECIFICATIONS

Metal Parts:

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

Face Materials:

Inboard Standard: Silicon carbide
Outboard Standard: High quality chemical grade carbon-graphite, ceramic, and silicon carbide

O-ring Materials:

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

Operating Capabilities:

Pressure: 50 psig (3.4 bar g) Maximum Differential Pressure
75 psig (5.2 bar g) Maximum Discharge Pressure
Temperature: -20° to 250°F (-29° to 121°C)
Speeds: 5000 fpm (25 m/s)

