

SPECIAL DUTY SEALS - DOUBLE CARTRIDGE

EDP - ETHANOL DOUBLE PUMPER

The **EDP** is a back-to-back, multiple seal assembly that was designed exclusively for sealing abrasive products where positive lubrication is required from an external source without dilution. The design isolates the metal components and prevents abrasive & corrosive pumped products from entering the stuffing box and causing erosion problems that require expensive repair.

Bi-Directional Radial Flow Pumping Ring

The pumping ring with tangentially drilled flush ports remove destructive heat from the seal cavity for cooler operation and extended reliability. The EDP is ideal in closed-loop flush systems.

Easily Installed

The EDP is a three-piece seal assembly that is pre-assembled and pre-set at the factory. Since the EDP sets externally, mechanics are not required to make critical installation measurements and can make axial adjustments with the equipment on-line.

Versatile

Provisions for fitting the seal are made internal to prevent the need to make expensive equipment modifications. Complete dimensional information is required to confirm fit specifications.

Isolated Multiple Springs

Multiple springs load evenly for cool operation and are isolated from the product to prevent clogging from suspended solids.

Economical & Repairable

Since the product is excluded from the stuffing box, the ESP is an economic alternative to replacement of expensive pump parts damaged by erosion. All sealing components that wear during normal operation can be easily replaced at a fraction of the cost of a new seal making performance of the repaired seal consistent to that of a new seal.



EDP - SPECIFICATIONS

Metal Parts:

Standard metal parts: 316 SS

Face Materials:

Standard: High quality chemical grade carbon-graphite and silicon carbide

O-ring Materials:

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

Operating Capabilities:

Pressure: 50 psig (3.5 bar g) Maximum Pressure Differential
75 psig (5 bar g) Maximum Pump Discharge Pressure
Temperature: To 250°F (121°C)
Speeds: 5000 fpm (25 m/s)

