

SPECIAL DUTY SEALS - SINGLE CARTRIDGE

PDS - POSITIVE DISPLACEMENT SINGLE SEAL

The SEPCO® PDS mounts externally and is a single, cartridge mounted, rotary seal designed for positive displacement pumps where viscous, abrasive, and sticky products are encountered.

Custom Built

The seal gland can be designed to fit equipment that normally requires modifications in order to fit a cartridge mounted seal. The machined gland offers excellent corrosion resistance and strength.

Rugged Design

The PDS is simple yet highly dependable. Drive mechanisms provide positive start up where high torque conditions are encountered.

Cartridge Mounted

The unit is pre-assembled and pre-set at the factory for ease of installation and maintenance.

Reverse Balanced

The PDS is balanced to prevent face separation during extreme pressure surges.

Compact

The unit mounts externally and the short axial length makes it ideal for fitting equipment with limited first obstruction space.

Isolated Multiple Springs

Multiple springs provide even mechanical loads and are isolated from the pumped product to prevent clogging.

Inexpensive

The simple design makes the PDS an inexpensive alternative for sealing positive displacement pumps. The unit is also fully repairable for a fraction of the cost of a new seal.



PDS - SPECIFICATIONS

Metal Parts:

Standard metal parts and spring: 316 SS

Face Materials:

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

Optional: Silicon carbide and 17-4PH stainless steel

O-ring Materials:

Standard: Viton®, EPR and Aflas™

Optional: Perfluorinated Elastomers

Operating Capabilities:

Pressure: To 150 psig (10 bar g) with surges to 300 psig (21 bar g)

Temperature: -20° to 250°F (-29° to 121°C)

Speeds: 2600 fpm (13 m/s)

