

SPECIAL DUTY SEALS - SINGLE COMPONENT

PDC - POSITIVE DISPLACEMENT COMPONENT

The SEPCO® PDC is a single, internal component seal designed for positive displacement pumps, equipped with seal only stuffing boxes, moving highly viscous, abrasive and sticky fluids. Isolated multiple springs will not clog from suspended solids in the pumped product and will provide even mechanical loads. The simple yet rugged design is highly dependable and inexpensive.

Compact

The short operating height allows installation on equipment with limited axial space in the stuffing box.

O-Ring Design

Use of o-rings as secondary seals allows for installation on products that are highly corrosive to standard elastomers where PTFE secondary seals are normally required.

Rugged

Rotation is achieved with lugs and three strategically located knurl point hardened steel set screws that provide positive drive on applications where high torque conditions are encountered.

Internally Balanced

Balance is achieved internally to provide controlled hydraulic loads.

Static Secondary Seal

The shaft o-ring is not required to move axially to adjust for seal face misalignment preventing fretting and wear that requires replacement of expensive shafts.

High Torque Stationary Seat

The stationary seat is designed to reduce the possibility of spinning and mechanical breakage on products that are sticky.



PDC - SPECIFICATIONS

Metal Parts:

Standard metal parts: 316 SS
Standard springs: Hastelloy® C

Face Materials:

Standard: High quality chemical grade carbon-graphite or solid nickel bound tungsten carbide
Optional: Silicon carbide or 17-4PH stainless steel

O-ring Materials:

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

Operating Capabilities:

Pressure: To 350 psig (24 bar g)
Temperature: To 400°F. (205°C)

