

# SPECIAL DUTY SEALS - DOUBLE COMPONENT

## SMD - SHAFT MOUNTED DOUBLE SEAL

The SEPCO® SMD is a heavy duty multiple component seal that mounts externally on equipment with adequate first obstruction space. It can be designed to handle up to 1/4" shaft deflection and 1/8" end-play making it ideal for use on agitators, mixers, reactors, belt driven pumps and other equipment that exceeds the movement capabilities of standard off-the-shelf seal designs.

### Hydraulically Balanced

Reciprocally balancing the seal allows for changes in operating pressure conditions without face separation. Reduced hydraulic loads allow the seal to operate successfully at high pressure without reducing lubrication critical for cooler operation & reliability.

### Mounting

The seal mounts externally and the component design can be installed without making critical measurements. It is also available as a cartridge mounted unit where preferred.

### Multiple Seal Design

Allows for installation on high-pressure applications where hazardous, abrasive, non-lubricating products are handled that requires flushing without dilution of the pumped product. The seal is capable of operating in either a double or tandem mode.

### Isolated Metal Parts

The SMD can be designed to eliminate all metal components from the process fluid making it ideal for use on corrosive applications.

### Lug Driven

The rotating elements are lug driven to provide positive rotation on high pressure or applications where torque factors are excessive.



## SMD - SPECIFICATIONS

### Metal Parts:

Standard metal parts: 316 SS

### Face Materials:

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

Optional: Silicon carbide

### O-ring Materials:

Standard: Viton®, EPR and Aflas™

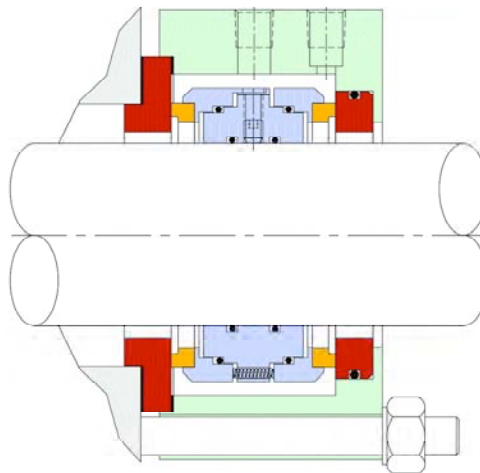
Optional: Perfluorinated Elastomers

### Operating Capabilities:

Pressure: To 750 psig (52 bar g)

Temperature: -20° to 500°F. (-29° to 260°C)

Speeds: 5000 fpm (25 m/s)



Stationary seat rings must be ordered separately.  
Please see page 37 for standard configurations.