

SPECIAL DUTY SEALS - DOUBLE CARTRIDGE

DRC - DOUBLE ROTARY CARTRIDGE

The **DRC** is a multiple, cartridge mounted, rotary seal designed to be easily adapted on equipment that is difficult to fit. Although inexpensive, it is rugged and highly dependable. The unit is ideal for installation on positive displacement pumps moving abrasive, sticky products requiring multiple seals operating in conjunction with closed loop systems.

Cartridge Mounted

The DRC is a completely self-contained unit pre-assembled and pre-set at the factory for ease of installation.

Reciprocal Balanced

The inboard seal is hydraulically balanced to permit the seal to operate in either a double or tandem mode. This provides lubrication of the inboard seal faces without separation and leakage.

Clamped-In Mating Ring

Stationaries are clamped in allowing for higher pressure operation

Versatile

The gland is machined for superior strength and corrosion resistance. Machining allows for modifications within the seal instead of modifying the equipment. The narrow cross-section and short axial length allows use on equipment with limited space.

Multiple Springs

Multiple springs provide even mechanical loads for cooler operation and are isolated to prevent clogging.

Static Shaft O-Ring

The o-ring that seals to the shaft is static and not required to slide axially to adjust for seal face misalignment. This prevents wear and the need to replace expensive shafts.



DRC - SPECIFICATIONS

Metal Parts:

Standard metal parts: 316 SS

Standard springs and drive pins: Hastelloy® C

Face Materials:

Standard: High quality chemical grade carbon-graphite and 17-4PH stainless Steel

O-ring Materials:

Standard: Viton®, EPR and Aflas™

Optional: Perfluorinated Elastomers

Operating Capabilities:

Pressure: Inboard Seal: 350 psig (24 bar g) Pressure Differential

Outboard Seal: To 150 psig (10 bar g)

Temperature: Inboard Seal: To 400°F (205°C)

Outboard Seal: To 250°F (121°C)

Speeds: 5000 fpm (25 m/s)

