flexaseal
ENGINEERED SEALS AND SYSTEMS, LLC

HEAVY DUTY STATIONARY MULTI-SPRING SINGLE CARTRIDGE SEAL

FOR HIGH PRESSURE APPLICATIONS

The **Flexaseal Style 58 single cartridge seal** is specifically designed for ruggedness and durability to withstand high pressure applications. Design elements include a piloted gland to positively center the seal assembly, as well as a metal-to-metal confined gland gasket which prevents blow-out or extrusion of the gland packing.

The Style 58 cartridge is uniquely customizable to your specific pump and application requirements. API 682-compliant options are also available.

MATERIALS OF CONSTRUCTION

Faces	Premium Grade Resin and Antimony Impregnated Carbons; Nickel Bound Tungsten Carbide; Sintered and Graphite-Loaded Silicon Carbide
Elastomers	FKM, EPDM, TFEP, Buna, Neoprene, Perfluoroelastomers
Metal Parts	316 and 17-4 Stainless Steel *Other options available:* Super Duplex Stainless Steel, Alloy C-276
Springs	Alloy C-276

OPERATING PARAMETERS

Max Temp	550°F (290°C)
Max Pressure	1200 psi (80 bar)
Max Speed	10,000 FPM (50m/sec)

* Max Temperature / pressure / speed indicate operating extremes independently and do not imply the seal will function at these extremes at the same time. Contact Flexaseal if in doubt.

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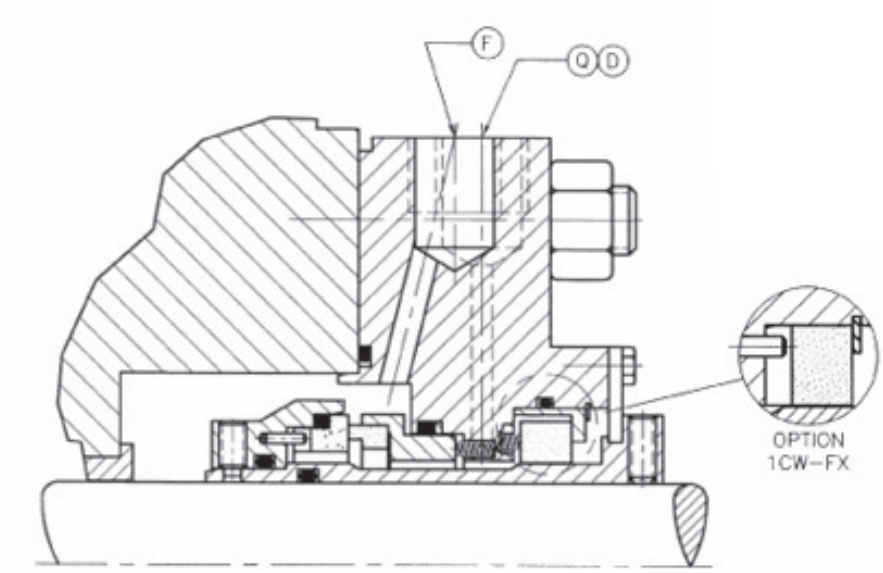

FEATURES & BENEFITS

- Stationary design for maximum face alignment
- Robust and reliable seal face drive
- Hydraulically balanced
- Dynamic O-ring moves on a clean surface
- Springs located out of product to prevent clogging and hang-up
- Rugged high pressure construction
- Gland options may be designed to include any combination of flush, quench, and drain connections. Glands are supplied with a throttle bushing for increased seal performance and added safety.
- Carbon floating bushing option available
- API 682 Type A Arrangement 1 available
- Multi-point injection feature available which ensures maximum uniformity of cooling around the entire circumference of the sealing faces, thus eliminating face distortion due to uneven cooling. Ideal for Boiler Feed and light hydrocarbon services which tend to flash.
- Thicker cartridge sleeve construction to eliminate distortion due to tightening of set screws
- Gland NPT connections 1/2" NPT for process side and 3/8" NPT for atmospheric side to help prevent improper piping assembly

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