

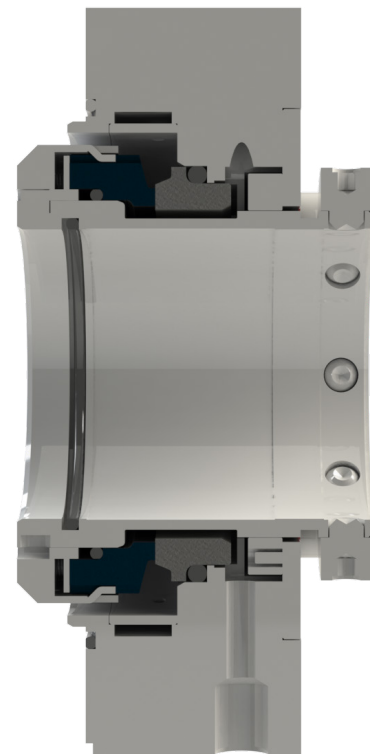
## HEAVY DUTY ROTATING MULTI-SPRING SINGLE CARTRIDGE SEAL

### For API 682 Applications

The **Flexaseal Style 59A** is designed specifically to conform to API 682 Category 2 Applications for Midstream and Downstream Oil and Gas Applications. Standard design features include:

- Oversized Monolithic Seal Faces for superior heat dissipation and durability.
- Circumferential Flush System to evenly distribute cooling flush flow around the seal faces.
- Convertible Outboard Bushing for fixed, floating and segmented designs to allow for all types of secondary leakage capture.
- Tang Drive System for reliable face torque transfer and reduced O-Ring hang up.
- Heavy Duty Springs to mitigate process debris clogging and reduce spring quantity.

The 59A is also available with contacting and non-contacting secondary sealing. The Flexaseal FC seal (Available as 59A/FC) provides decades of proven operational reliability as a contacting secondary seal. The Flexaseal FGSA (Available as 59A/FGSA) is our newest lift-off design for API applications that require a non-contacting secondary seal.



### MATERIALS OF CONSTRUCTION

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

### OPERATING PARAMETERS

<b>Max Temp</b>	-40 to 400°F / -40 to 204°C
<b>Max Pressure</b>	600 PSIG / 41.4 bar
<b>Max Speed</b>	4,500 FPM / 23m/s

\*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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## DESIGN FEATURES & BENEFITS

