

TRIPLE-PLY BELLOWS CARTRIDGE SEAL

For High Pressure Crude Oil Applications

Now there is a true high pressure bellows solution for one of the toughest oil and gas pipeline challenges: sealing crude oil under high pressures. Flexaseal brings its state-of-the-art, engineered edge welded metal bellows knowledge and capabilities to this demanding service.

- API 682-compliant design is heavy-duty with a long sealing life and easy repairability.
- Exclusive triple-ply welded bellows technology operates in pressures up to 1500 psig while accommodating significant axial movement.
- All seal elastomers are static, eliminating dynamic O-ring wear and damage.
- **FLEXdrive Torsional Drive System** uses a drive lug design to positively drive rotating seal components and eliminates torsion loads on the face energizing elements.
- Choose from three (3) standard secondary bushing arrangements to accommodate Plans 65A and 66A.
- **STEALTH Proactive Seal Health Monitoring System** Sensor technology for remote equipment monitoring.



Materials of Construction

- Seal Faces:** Sintered Silicon Carbide
- Elastomers:** FKM standard
Other materials upon request
- Bellows:** Inconel™ 718 Heat Treated
- Metallurgy:** 316 SS
- Bushing:** Bronze, Carbon

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Operating Parameters in Crude Oil

Pressure: up to 1500 psig (103.4 bar)

Temperature: up to 180°F (82°C)

Speed: up to 3600 RPM

Shaft Sizes up to 5.50" (139.7 mm)

Maximum temperature/speed/pressure indicates operating extremes independently and does not imply the seal will function at these extremes at the same time.