

HIGH TEMPERATURE STATIONARY & ROTATING WELDED METAL BELLOWS CARTRIDGE SEALS

- **Style 63:** Stationary welded metal bellows cartridge
Style 66: Rotating welded metal bellows cartridge
- Easy cartridge seal installation
- Proven high performance nesting ripple bellows design
- High temperature static grafoil packing throughout seal
- Standard AM350 heat treated bellows; Inconel 718 heat treated bellows option available
- Low expansion alloy face retainer
- Upgradable to include any of the extensive array of API 682 design specifications such as a piloted gland with a metal to metal confined gland gasket, specific sleeve thicknesses, surface finishes, and throttle bushing clearances
- Gland design with flush, quench and drain connections and throttle bushing
- Bronze steam deflector option available to assist various API Plans in the elimination of coking buildup on the bellows assemblies
- Carbon floating bushing option available
- Double-ply welded bellows available for higher pressure
- Pump-specific designs available. Please contact Flex-A-Seal for more information.

NOTE: Max Temperature / pressure / speed indicate operating extremes independently and do not imply the seal will function at these extremes at the same time. Contact Flex-A-Seal if in doubt.



Materials of Construction:

- Faces:** Antimony Impregnated Carbon, Nickel Bound Tungsten Carbide, Sintered Silicon Carbide
- Bellows:** AM350HT, Inconel 718HT. Single- and double-ply bellows options available.
- Gland Bushing:** Bronze, Carbon
- Standard Metallurgy:** 316 SS with low-expansion Alloy 42 retainer. Other material options available, please consult Flex-A-Seal

Operating Conditions:

- Max Temp:** 800°F (425°C)
- Max Pressure:** 300 PSI (20 bar)
- Max Speed:** Style 63: 10,000 SFPM (50 m/sec)
Style 66: 4,500 SFPM (22 m/sec)