HIGH TEMPERATURE STATIONARY & ROTATING WELDED METAL BELLOW 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)