

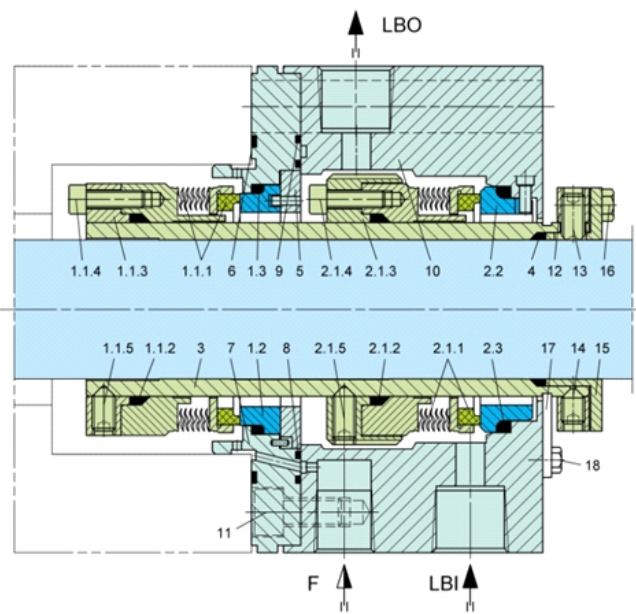


Sealmatic Delivers Metal Bellow Seal Type UFLWT 800 (API 682) Size 48mm For Refinery Application

The processing of crude oil in refineries is a complex and multi-stage process in which crude oil is transformed into refined, high-quality end products or feed materials for petrochemical industry. Mechanical seals within these environments are required to function flawlessly despite critical challenges. Sealing technology for such diverse applications have to meet challenges in various respects; risk of insufficient lubrication and dry running, media with a diversity of physical properties, high and low temperature ranges and the handling of hazardous substances and all other conditions which need to be controlled with absolute reliability. Type UFLWT 800 (API 682 compliant) has been meticulously crafted to meet and exceed these demanding criteria. It offers unparalleled design and materials which enables it to withstand severe temperatures and pressures, making it crucial factor in ensuring the integrity and safety of refinery operations.

Operating Parameters Of Type UFLWT800 Mechanical Seal									
Sr. No	Seal Type	RPM	API Plan	Media	Temperature (°C)	Stuffing Box Pressure (kg/cm ²)	Suction Pressure (kg/cm ²)	Discharge Pressure (kg/cm ²)	Viscosity (cSt)
1	91-UFLWT800F/48-PTa2	3000	23, 52	Heavy Base Oil	287°C	5.7 kg/cm ²	4.1 kg/cm ²	5 kg/cm ²	0.44 cSt

As per the above mentioned operating parameters. We are pleased to announce that Sealmatic Type UFLWT800 Metal Bellow seal (API 682 compliant) has been successfully delivered for refinery application. Thus, with a comprehensive range of API complaint quality seals and supply systems Sealmatic is playing a key role towards ensuring the reliability and safety of refinery processes. Utilizing high-quality materials and a meticulously engineered structure, this seal can withstand extreme temperatures and pressures found within refinery equipment.



Performance Capabilities

- Shaft diameter: d1 = 20mm ... 110 mm (0.79" ... 4.33")
- Pressure: p = vacuum ... 20 bar (290 PSI)
- Temperature: t = - 40 °C ... +200 °C (- 40 °F ... + 392 °F)
- Sliding velocity: vg ... 23 m/s (75 ft/s)

Technical Features

- Compact design
- No dynamically loaded O-ring which reduces chances of seal face hang-up.
- Pumping screw for media with higher viscosity also available
- Short installation length possible
- Rugged design for long operating life
- Resistant to abrasive particles in the medium, no shaft or sleeve fretting

18th September 2023

