



Sealmatic Successfully Installs Type UFL650 Double Metal Bellow Seal For High Temperature Application For A Refinery

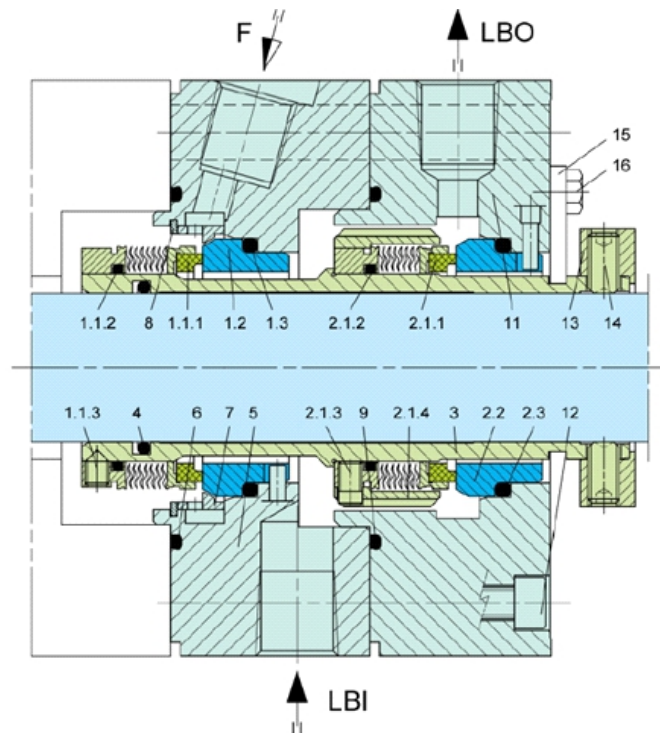
The materials employed in the petrochemical industry need to be capable of coping with the large array of media, many of them explosive or toxic and others which could become when mixed. An increased awareness of environmental risks calls for a maximum reliability and operational safety, especially from sealing systems. Against this background, the sealing systems employed in applications involving what are in many cases explosive, toxic or aggressive media must ensure optimum tightness. On the other hand, they should also help optimize processes and thus be of advantage where the economic aspects are concerned as well. From non-critical sealing points – for which standard solutions are deployed – right through to highly complex system solutions required where particularly difficult operating conditions are concerned.

We are pleased to inform that Sealmatic Type UFLWT900 double metal bellow seal has been successfully installed in a petrochemical plant as per the below mentioned operating parameters. Hence, offering tailor made solutions, safety in operation and maintenance with a view to achieve highest safety standards.

Operating Parameters									
Sr No	Seal Type & Size	API Plan	Media	Temperature (°C)	RPM	Stuffing Box Pressure (kg/cm ²)	Suction Pressure (kg/cm ²)	Discharge Pressure (kg/cm ²)	Configuration
1	91-UFLWT900/48-FTa1	53B	Dowtherm-A	350°C	2985	3.20 kg/cm ²	1.96 kg/cm ²	10.1 kg/cm ²	3CW-FB

Sealmatic Type UFLWT900 Double Mechanical Seal

Mechanical seal type UFLWT900 is a face-to-back configuration seal, balance and compact design, basically employed for high temperature application. The bellows are designed efficiently to ensure self-cleaning; Bellows design minimizes variation in face load due to shaft expansion or face wear.



Performance Capabilities

- Shaft diameter: d1 = 20 ... 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)

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