LAMELFLEX®

LAMELFLEX® – THE SEALING SOLUTION FOR CRITICAL BUTTERFLY VALVE APPLICATIONS

LAMELFLEX®, a serial engineered laminated seal, is designed for critical service applications and dedicated to achieving the highest efficiency for your triple offset butterfly valves by significantly reducing internal leak paths. TECHNETICS is a leader in the design and manufacture of sealing solutions for critical applications. TECHNETICS is recognized worldwide for sealing solutions in the valve OEM & Supply Chain market.

The LAMELFLEX® seal is designed for triple offset butterfly valves to achieve the most stringent sealing performance levels, allowing for the capability of Class V sealing.

The benefits obtained with LAMELFLEX® seals result from:

- complete analysis of the valve - hardware interface with the seal
- understanding the interaction between the different materials and their behaviors
- taking into account seal assembly in the valve manufacturing process
- understanding the effects related to the direction of fluid flow including bidirectional operation
- rigorous selection of the appropriate machining method to ensure dimensional tolerances and good surface finish at the valve seat.

Thanks to the control of multiple design and manufacturing parameters, LAMELFLEX® seals represent the high performance solution to improve the efficiency of your valve to reach the most stringent in-line sealing Classes. TECHNETICS also offers several technical alternatives for designing the secondary seal in order to optimize the sealing level of your valve with the LAMELFLEX® seal.

KEY FEATURES & BENEFITS

- Available sizes: up to 42''
- Operates in a broad temperature range of -328 °F cryogenic applications (-196 ° C) to 932 °F steam applications (from -196 °C to 500 °C).

SERVING CRITICAL INDUSTRIES

- Oil & Gas
- Cryogenics
- Nuclear power
- Energy production

INSTALLATION

- On the disc (conical part on the outside diameter of the seal)
- On the body (conical part on the inside diameter of the seal)

SEAL MATERIALS

Metal layers

- Stainless steel
- Duplex stainless steel
- Exotic materials

Non-metal layers

- Expanded graphite, all grades (including PMUC material) in multiple thicknesses and densities
- Modified PTFE GYLON® *

** GYLON® is a GARLOCK® product*

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