

Gulf Coast Seal

HT-HP Stem Packing Sets

Overview

Gulf Coast Seal's HT-HP Stem Packing Sets are used in critical valve and actuator applications requiring redundant sealing surfaces. The unique multi-piece design allows the packing set to be successfully used in both high and low temperature applications over a broad pressure range. Typical applications for this design include valve stem packing, seat seals, fire safe assemblies and geothermal assemblies.

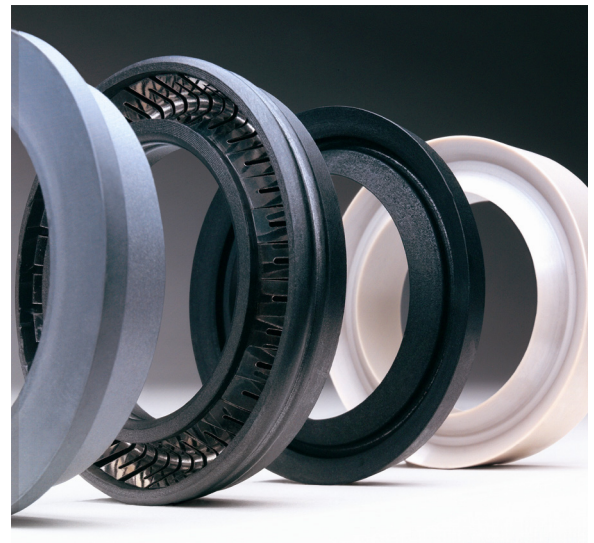
Qualifications

Gulf Coast Seal's HT-HP Stem Packing Sets meet the requirements of API 6A and have passed PR2 testing by various major oil field equipment manufacturers in different arrangements and design criteria (such as rising stems and rotating stems). These designs have been tested and qualified for temperature ranges from -75°F to $+400^{\circ}\text{F}$ and pressures from 1 psig to over 20,000 psig.

This packing set design has been qualified, approved and in field service since 1985. It is used in equipment located around the world including in Mobile Bay, Al (one of the most severe sour service areas in the world), on the North Slope of Alaska (where cold temperature is a critical factor), in California (for geothermal applications), and in high temperature qualification tests for use in the North Sea after the Piper Alpha catastrophe. More recently it is being specified for equipment to be used in the TengizChevroil project in Kasakstan.

Materials

The PTFE and PEEK materials used in the packing set are inert to most fluids found in critical down-hole applications as well as many process fluids used in the petrochemical and refining operations. This also eliminates the explosive decompression problems associated with traditional elastomeric packing sets. The metal energizers used in these packing sets are made from Elgiloy[®] and meet the requirements of NACE MR-01-75-2003 for sour gas service. Since all the parts in the packing set are machined, the requirement for molds and the associated long lead times are eliminated.



More Information

For more information regarding our HT-HP Stem Packing Sets, please contact your local Gulf Coast Seal salesman, our Houston, TX operation center or email us at seals@gulfcoastseal.com.