

Case Study: Style 1303-FEP Packing Downstream Energy



INDUSTRY

Oil and Gas

CUSTOMER

A downstream energy company located in the southern United States focusing on petroleum refining.

BACKGROUND

In the Oil & Gas Industry, refinery valves have to be compliant with EPA (Environmental Protection Agency) regulations and must not release more than 100ppm of fugitive emission into the atmosphere.

CHALLENGES FACED

The refinery doesn't trust the OEM packing installed in the new valves they are purchasing to meet the standards set by the industry and EPA requirement. After testing, it appears that the OEM packing exceeded leakage limit of 100ppm or less fugitive emission.

OPERATING CONDITIONS

1. Media: Oil, Petroleum, Hydrocarbons
2. Temperature: 500°F (260°C)
3. Pressure: 500 psi (34 bar)

SOLUTION AND BENEFITS

Garlock Style 1303-FEP Valve Stem Packing was proposed and tested due to its proven field reliability. The refinery had the original packing replaced with our Style 1303-FEP in all of their new valves, before the valves were installed and put into service.

Three years later, all of the new valves equipped with Style 1303-FEP are still in service without the need for repacking. To date, the refinery continues to repack valves with Garlock Style 1303-FEP and has retrofit all of their older valves.

For more information, please visit:
<http://www.garlock.com>

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