Garlock

Case Study: Style 9000-EVSP LE Refining

INDUSTRY

Oil and Gas

BACKGROUND

The refinery was experiencing leakage rates of over 500ppms with their current valve setup. The customer was unsure if their valves could maintain leakage below the Environmental Protection Agency's (EPA) maximum 100ppm of fugitive emissions in the atmosphere.

CHALLENGES FACED

The refinery needed a trusted solution to lower their emissions to maintain compliance with regulations set by the EPA on more than 80 valves within their plant.

OPERATING CONDITIONS

Media: Butadiene
Temperature: 325°F (163°C)
Pressure: 135 psi (9 bar)

SOLUTION AND BENEFITS

Garlock's application engineers suggested the installation of 9000-EVSP LE packing sets to solve the problem.
As a result, the leakage rate was reduced by 90% on all the valves that were repacked. They continue to display very low leak rates after 24 months of service, well below the 100ppm expectation from the plant and the EPA.

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

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