



Summary

Industry:	Petrochemical
Application:	Production of Titanium and Tantalum
Actual Saving:	£n/a
Payback Period:	n/a



Superior Gaskets Solve Leakage on Salt Lines

ERIKS solve gasket failures for Titanium producer

ISSUE

The customer, a large producer of titanium and tantalum was experiencing problems with leakage on their salt lines which are a critical part of the process plant.

The process line comprised of ASME Class 150 stainless steel flanges 304 or 310 with very low pressure of just a few millibars but with a temperature of 300 Deg C to withstand dried salt CaCl₂ and maintain an internal Argon atmosphere.

The seal needed to be able to withstand Ethyl Acrylate and have good recovery to seal the man-way cover by overcoming imperfections in the flange faces and the machined man-way door.

SOLUTION

ERIKS engineers advised the customer to select a Novaphit SSTC gasket as it offers a conformable, creep resistant graphite composite gasket, 1.5mm thick that will withstand dried salt CaCl₂.

After a test rig examination and signed off approval by the client the gasket was approved. On installation, the Novaphit SSTC overcame the imperfections in the flange facings, withstood the media, thus forming a high quality seal.

The customer will make savings through the reduced replacement of inadequate gaskets and reduced shutdown time along with lost process time.

OTHER BENEFITS

- The customer made savings on replacement gaskets and reduced downtime
- ERIKS quick engineering ensured minimal shut down

FURTHER COMMENTS...

The client was happy to replace all their gaskets onsite with Novaphit SSTC to increase site efficiency.

MORE INFORMATION

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know-how makes the difference