

CASE STUDY

KWO® MultiTex® Gasket Chemical industry



KWO®
experts in ePTFE

PRODUCT

KWO® MultiTex® 2.0 Gasket.

INDUSTRIAL SECTOR

Chemical.

APPLICATION

Application of KWO® MultiTex® Gasket thk. 9 mm on a Hydrogenator Reactor.

PROBLEM DEFINITION

Irregularity of the glass lining of the flange assembly leading to excessive leakage with the sealing solution in used.

The use of hydrogen requires precautions against creating an explosive mix of hydrogen and air, therefore the end user asked our support.

SOLUTION AND RESULT

KWO® MultiTex® Gasket thk. 9mm.

The MultiTex® Gasket installed and tested was able to compensate the unevenness of the sealing surface and kept the system running without issues.

APPLICATION PARAMETERS

Material: CS+glass lining

Operating temperature: 160° C

Operating pressure: 11 bar

Medium: Mix of H₂, Water, Methylendioxybenzenepropanone, catalyst Pd/C, Dihydrosafrole.

Flange form/diameter: round, DN 500 and smaller sizes.

Sealing surface (DN 500): O.D. 610mm x I.D. 503 mm

Bolts: rigid bolts.

Previous seal: restructured ptfе with hollow glass microspheres.

