



- » Based upon proven GPT VCS® platform
- » Provides complete flange electrical isolation for cathodic protection systems
- » Tandem seal technology
- » E-Ring sealing systems is dual purpose fire safe and backup
- » Passed API 6FB, 3rd Edition Fire Test
- » Use in conjunction with cathodic protection systems
- » Mitigates potential flange rotation
- » Provides a tighter seal under low bolt loads

The VCFS® Firesafe Gasket

- ✓ Electrical isolation of flanges
- ✓ API 6FB Fire Test

The creation of VCFS® Gasket was driven by customer demands for electrically isolated flanges while ensuring the performance of non-metallic components in the event of a fire. This need was particularly crucial in the offshore market where fire incidents can have severe consequences. Additionally, the requirements of users in piping and LNG applications, where fire risks pose significant threats to life and property, led to the development of a fire-safe electrical isolation seal compliant with API 6FB standards.

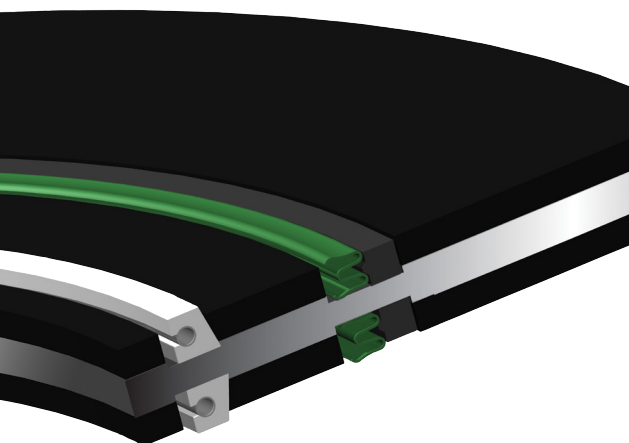
Diamond-hyde™ washers

DIAMOND-HYDE™ coated washers, simplify washer installation, eliminate GRE washer cracking and resists the elements better than any coated isolator washer.

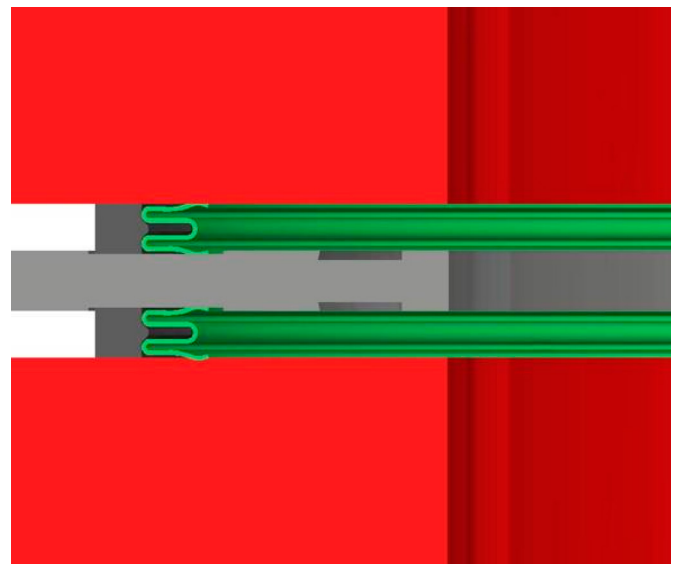
Features

- » Extreme, high-reliability sealing and electrical isolation solution for critical service applications
- » *Seals and isolates all pressure ratings through ANSI 2500 class and API 10,000 psi service.
- » *Withstands severe service conditions including vibration, temperature and pressure fluctuations
- » Designed to withstand corrosive environments
- » Good electrical isolation properties for cathodic protection. Reference the VCS® data sheet for further information
- » Pressure-activated seals provide high confidence sealing, eliminates costly leaks and provides a solution for fugitive emissions
- » Gasket is sized to the bore to protect flange faces from media-induced corrosion and flow-induced erosion
- » Minimizes turbulent flow at flanged connections
- » Mitigates galvanic corrosion in dissimilar metal flanges
- » High-strength laminate material resists failure due to excessive compression
- » Available to match any flange specification (ANSI, ASME, API, MSS, BS, DIN, AS, others)
- » Can mate mismatched RTJ with raised-face flanges
- » Easy installation, make up and removal
- » Sealing system is not sensitive to low bolt loads - providing reliable sealing through a range of bolt stress
- » Gasket is self-aligning and centering - quick to install and no special tools are required
- » Maintenance-free corrosion-resistant design is resistant to deforming under load
- » Works in Ring Joint Flanges, reducing fluid entrapment, flow induced erosion and media induced corrosion between flanges
- » Reusable by simply replacing sealing ring

*Contact KLINGER for further information



Before Fire



After Fire

Extreme Critical Sealing for Industries

Production fields and offshore

In gathering and injection piping, tank farms, oil and gas processing systems, and sour gas and water handling systems. Christmas trees, pumps, valves, and wherever it is important to guard against the loss of product.

Petroleum Marketing Facilities

In terminal and tank farm piping, marine and airport fueling systems and other product handling facilities where it is essential to prevent loss of product or damage due to a flange leak or blowout.

LNG AND SNG SYSTEMS

For loading, unloading, liquefaction, regasification and processing of LNG, the production and processing of SNG, and wherever it is essential to provide a leak-proof flange for use from cryogenic to very high temperatures.

Pipeline and Distribution Piping

In compressor and pumping station piping, metering and measurement facilities, valves and other control equipment and elsewhere on a mainline piping system where a long-lasting, leak-proof flange is essential. In gas distribution piping - underground storage facilities, town border stations, industrial meter, regulator sets, and district regulators.

Refineries

In piping systems for heavy gasoline, caustic and acid based materials, carbon slurry, and wherever it is essential to protect plant and personnel from damage due to flange leaks or blowouts.

GPT

The VCFS® Isolation Kits are manufactured at a GPT facility that has a registered ISO 9001:2008 Quality Management System.

KLINGER Limited is the authorised distributor for Pikotek products. We are able to supply the full range of Pikotek Insulation sets, including the PGE™, VCS®, VCFS®, VCS®-ID and Evolution®. For further information on these products, please call us today or send us your enquiry.

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.

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