

## VCFS Specification

For operating conditions up to 302°F where flammable liquids or gases may be present:

1. The gasket shall pass an API 6FB fire test. The VCFS standard gasket is a 316SS cored\* G-10 laminated\*\* gasket with dual seals\*\*\*. The primary seal is a machined PTFE seal with an inner spring to improve the seal's recovery characteristics and assist the pressure activation function of the seal. The secondary seal is an E-ring seal manufactured from Inconel and coated with a proprietary isolating coating. A machined and electrically isolated coated backup ring will reside outboard of the secondary seal to retain bolt load in the event of a fire.
2. Sleeves and washers - Diamond-Hyde™ coated HCS washers contain an abrasion resistant, low friction coating. Washers will be designed to fit over insulating sleeves. Washers will be a nominal 1/8" thick. Sleeves are G10 material and 1/32" in thickness. Sleeve will be designed to mate with separate isolating washers.
3. Packaging - Gaskets shall be packaged with NPS, pressure class, GPT sales order number, gasket manufacturer's name, and material designation marked on the gasket itself.

\*Core Options: 316LSS, 625/825 Inconel, SMO 254, AL6XN, Xeron 100, Duplex/Super Duplex

\*\*Carrier Options: G10, G11, G10 CR

\*\*\*Small diameter gaskets may contain only one e-ring

