

Product Datasheet: Advantages of the GPT Gasket Range

Although the old style nitrile faced phenolic isolation gaskets have been utilised within the Australian oil & gas industries for many years, reviews of new technology by the engineering team at GPT have found that developments in technology have come a long way and there are newer, more effective options now available. Given the superior properties of new sealing technologies, the older style nitrile faced phenolic gaskets will soon be phased out by GPT, as they do not meet the higher standards of the LINEBACKER, VCS & VCFS ranges now available.

Below is a list of some of the advantages of the LINEBACKER, VCS & VCFS gasket technology. Please contact the team at Anode Engineering to discuss the benefits of using the latest GPT isolation technology

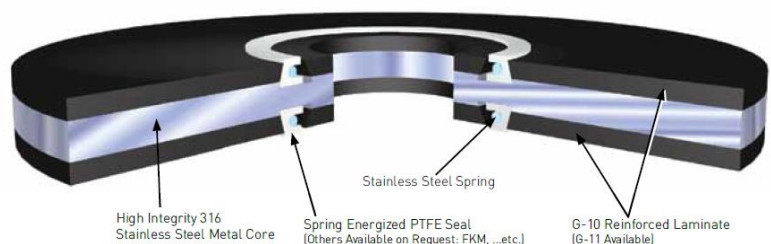
LINEBACKER ISOLATION GASKET ADVANTAGES

- Eliminates flange leaks
- Guards against blowouts
- Protects against hostile environments
- Usable with any type of flange
- Matches gasket materials to service conditions
- Lowest possible clamp and compressive load
- Increases gasket life
- Insulating version is both a positive seal and a superior insulator
- Available in all standard ANSI and API flange sizes from 1/2" to 144"+
- Available in custom or odd sizes and shapes

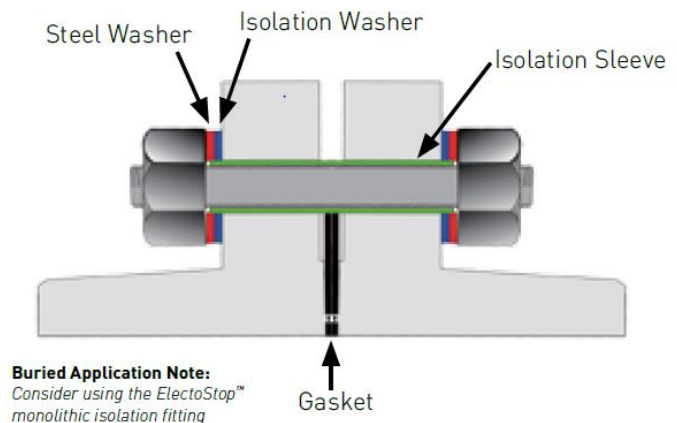


VCS ISOLATION GASKET ADVANTAGES

- Stainless steel core means that the gasket will last the life of the pipeline, with only the sealing ring needing replacing occasionally
- 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, including high concentrations of CO₂, H₂S, produced water and aggressive inhibitors
- Good electrical isolation properties for cathodic protection
- 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
- Prevents 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



VCFS FIRESAFE ISOLATION GASKET ADVANTAGES

- Based upon proven GPT VCS platform
- Provides complete flange electrical isolation
- Tandem seal technology
- PTFE sealing system has 20+ years successful track record
- 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

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