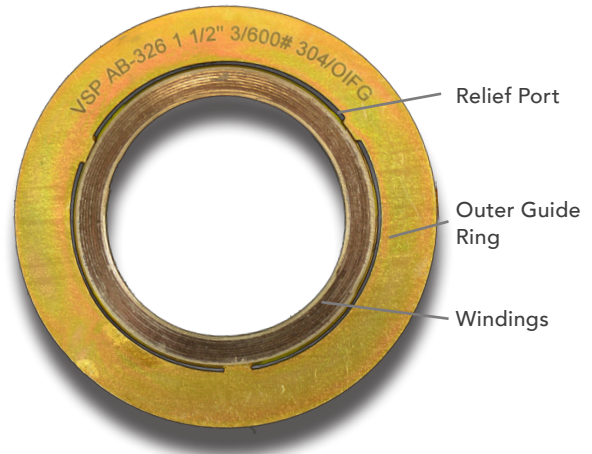


AB-326

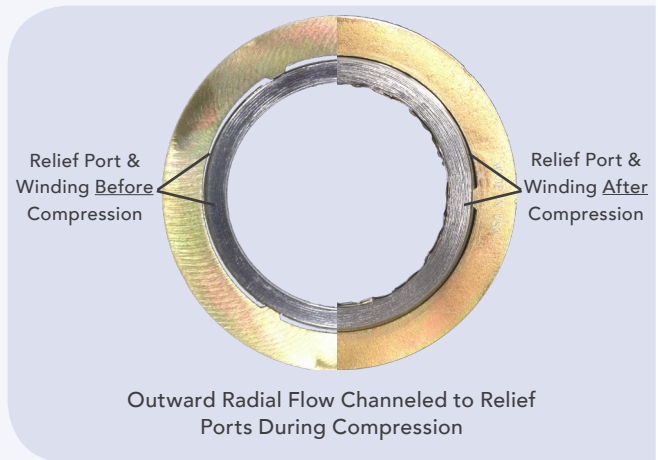
By the inventors of spiral wound Anti-Buckling & Controlled Density Technology, the AB-326 anti-buckling design prevents radial buckling without problematic or costly inner rings.

During Compression outward radial flow is channeled to the relief ports which prevents radial buckling and unwinding.



AB-326 Product Advantages

- ▶ One spiral wound gasket for all size, type and pressure class flanges
- ▶ Compliance with ASME B16.20 paragraph 3.2.6 compression requirements
- ▶ Low Stress: Suitable for all ASME flange Classes 150-2500
- ▶ Low Assembly Torque: Designed to seat at 5,000 psi compared to conventional spiral wounds seating at 7,500 to >10,000 psi
- ▶ Anti-Buckling Design: Eliminates the need for costly, problematic inner rings
- ▶ Low-Emission Performance: Lower than conventional spiral wound gaskets
- ▶ No flow restriction

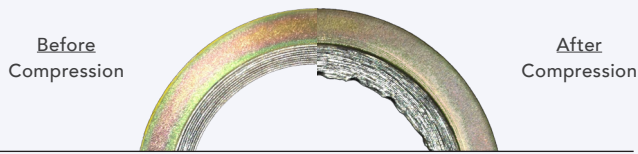


VSP Technologies deploys a team of Engineers and Fluid Sealing Specialists who provide engineered solutions for your unique sealing requirements.

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AB-326 COMPARISON

Standard Spiral Wound with Outer Ring

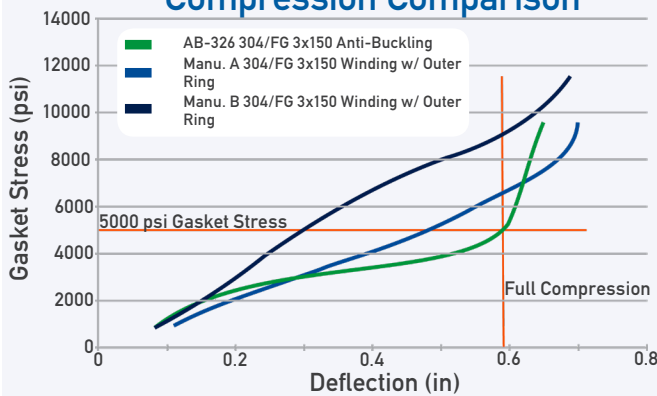


Standard spiral wound outer rings cause inward gasket flow when compressed

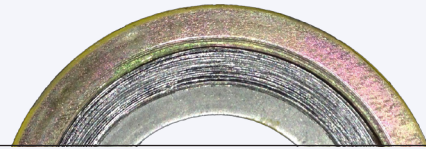
AB-326 relief ports designed to channel gasket flow away from the ID:

- ▶ Less inward radial flow
- ▶ Seating Stress reduced by as much as 50%

Compression Comparison



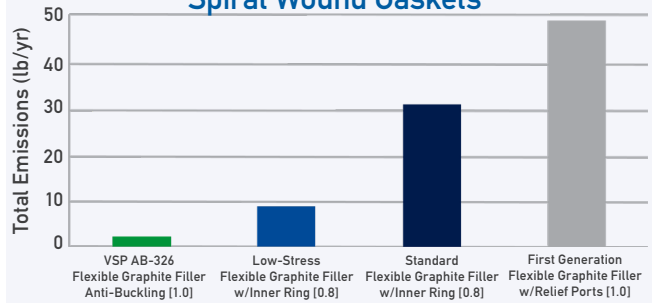
Standard Spiral Wound with Outer Ring and Inner Ring



Inner Rings are incorporated into standard spiral wound gaskets to prevent inward buckling & unwinding, but:

- ▶ Add cost
- ▶ Stiffen ID of the gasket but do not address the underlying cause of buckling
- ▶ Provide little or no sealing advantage
- ▶ Confine gasket flow & result in very high torque requirements to seat the gasket and create potential for bolt to yield prior to full compression

Fugitive Emissions Comparison for Leading Spiral Wound Gaskets



Spiral Wound Gasket Design & Filler [Stress Retention Coefficient]

Product Specifications

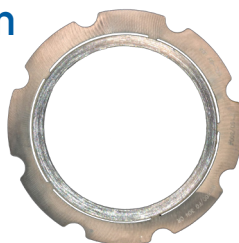
Temperature Range	ePTFE= 500°F ePTFE/FG Filler = -600°F OIFG Filler (Standard) = 1000°F TerMica XHR = 1500°F
Standard Construction	304/OIFG 316/ePTFE 316/OIFG 316/TerMica XHR 316/ePTFE/FG InpHerno
ASME Gasket Factors	m=3.0 y=5,000 psi
ROTT Gasket Factors	$G_b=644$ psi a=0.341 $G_s=5.8$ psi

*OIFG - Oxidation Inhibited Flexible Graphite

- ▶ Best Available control technology for emissions performance when spiral wound gaskets are required
- ▶ Compliance with ASME B16.20 paragraph 3.2.6 compression requirements
- ▶ Accommodates the inherent radial compression behavior of spiral winding, and minimizes radial buckling forces
- ▶ Designed to fit all slip-on, lap joint and weld neck/socket weld type flanges

Available Dual-Flange Design

- ▶ Fit both 150 & 300 Class flanges
- ▶ Designs available for non-standard pressure vessel equipment flanges



Ensure complete mechanical and specification and compliance with VSP's AB-326 Torq-Kit



All Flange rework components in one box with assembly instructions to ensure reliable performance

Contact VSP for Ordering Information