



AB-326™ InpHerno™

Low Stress Fire Safe PTFE
Spiral Wound Gaskets

AB-326 InpHerno

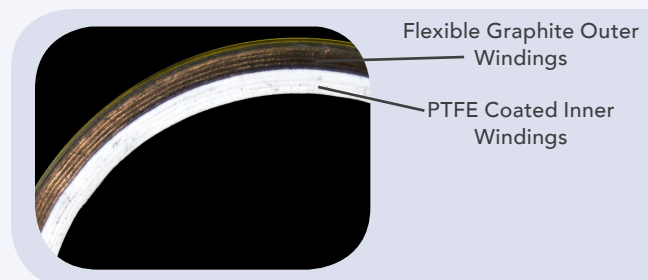
From the inventors of anti-buckling and controlled density spiral wound technology comes the only PTFE gasket that can be used in fire safe services.

The InpHerno™ benefits from being an anti-buckling spiral wound, able to provide a high-tightness seal when only moderate bolt loads are achievable, with an inner winding coated in PTFE, providing chemical compatibility. Meanwhile the flexible graphite from the spiral wound gives the gasket its fire-tested seal.



Advantages of the AB-326 InpHerno

- ▶ Available in all standard Metallurgy: 304/316SS, Alloy 20, Hastelloy, Titanium, etc.
- ▶ Compliance with ASME B16.20 paragraph 3.2.6 compression requirements
- ▶ Low Stress: Suitable for all ASME flange classes 150-2500
- ▶ Anti-Buckling Design: eliminates the need for costly, problematic inner rings
- ▶ Low Assembly Torque: Ideal for lap joint and slip-on flanges
- ▶ Low-Emission Performance: Significantly lower than conventional flexible graphite spiral wound gaskets



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

8140 Quality Drive, Prince George, VA 23875
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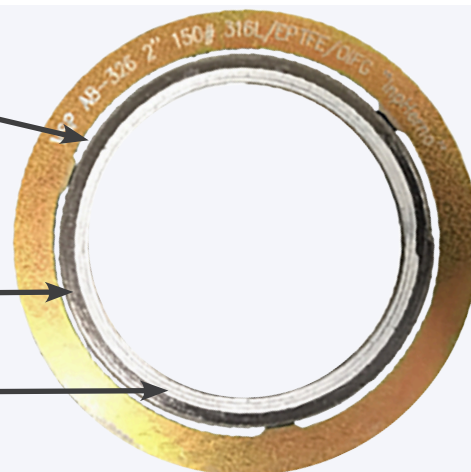
SPRING ENERGIZED CONSTRUCTION

Relief Port Before Compression

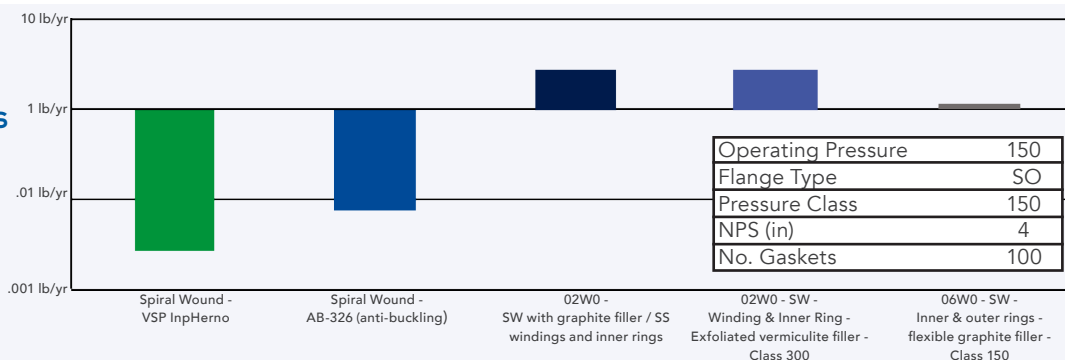
- ▶ Outward radial flow channeled to relief ports during compression
- ▶ Prevents radial buckling and unwinding

Flexible Graphite Outer Windings Provide Fire Safe Barrier

Expanded PTFE Inner Windings Provide High Tightness, Process Purity & Broad Chemical Resistance



Fugitive Emissions Comparison by Gasket Type



Product Specifications

Temperature Range	Max= 600°F
Pressure Resistance	Full vacuum to maximum flange rating
Chemical Resistance	All chemical services (pH 0-14) except molten alkali metals, elemental fluorine and aggressive tri-fluoride compounds
ASME Gasket Factors	m=2.5 y=4,500 psi
PVRC Gasket Factors (PVRC ROTT)	G _b =1607 psi a=0.237 G _s =4.0 psi
Tightness & Sealability (PVRC ROTT)	T _{p(max)} >50,000
Fire Testing	API 607, 4th Edition = Pass Fire Integrity Tightness Testing = Pass

AB-326 Inpherno

- ▶ Fire-Safe ePTFE Gaskets
- ▶ Low Stress to Seal - ideal for Class 150 & 300 Flanges
- ▶ Anti-Buckling - no inner ring necessary

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



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

Contact VSP for ordering information