

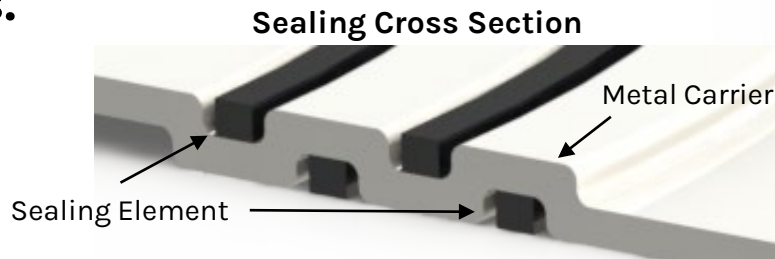
Heat Exchanger

Flexitallic

FLEXHX
Heat Exchanger

★★★
MADE IN THE
USA

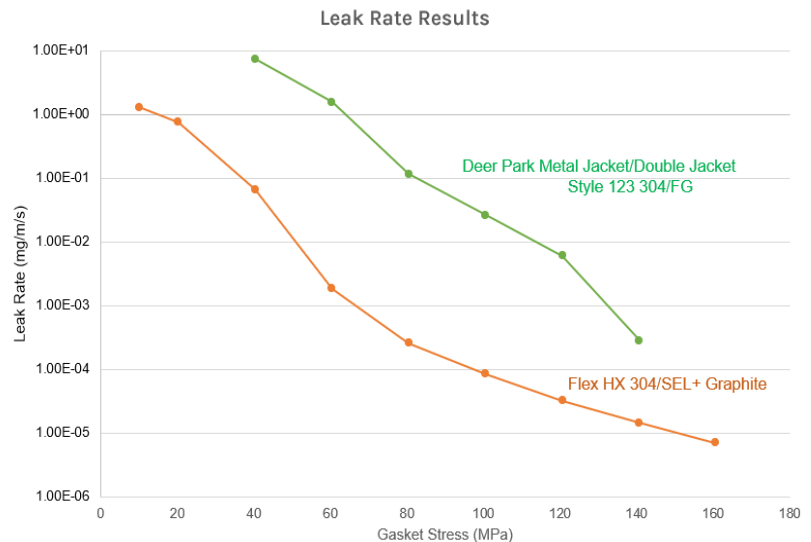
Save with a money-smart
alternative to leaky, double-jacketed
gaskets.



PREMIUM SEALING OPTIONS: **SEL+** *Thermiculite* **CORRICULITE**

Say goodbye to your leaky Double Jacketed gaskets. FLEX HX is a cost-effective sealing solution designed to handle flange movements, vibrations, and a tighter seal that will not leak in Heat Exchanger applications.

The most important feature of the gasket is the high unit load generated by the narrow sealing area provides a considerably higher flange clamping pressure and a better seal at a lower clamping force.



KEY BENEFITS

- Ability to cope against severe thermal cycling and vibration
- Inherent Live Loading capability
- Fire, Blow Out, & Leak proof
- Superior pressure handling
- Ease of installation Lower seating load
- Cannot be over compressed
- No need to re-torque
- Eliminates fugitive emissions

POWER TO THE FUTURE

flexitallic.com

TECHNICAL DATA

Flange Pressure Class: 150# to 2500#

Thickness: 1/16" (1.6mm) Other thicknesses available, contact engineering department for more details

Flange Surface Finish: 10 to 400 μ in RMS (microinches)

Sealing Track Width:

- 1/2 to 1 1/4 (gasket size) 0.100" each side.
- $\geq 1 1/2$ (gasket size) 0.125" each side.

Minimal Sealing Track Web Width: 0.670"

Leak Rate: 0.005 in mg/m · s (DIN 28090 / 1.2) < 10ppm @ He

Temperature Range: -328°F/-200°C cryogenic air +932°F/+500°C in regular atmosphere + 1202°F/+650°C in steam +1832°F/+1000°C reducing or inert media. Varies by material.

Pressure Range: Full vacuum to +5000 psi

Minimum Seating Stress: 2900 psi (20 MPa)

Maximum Seating Stress: 23,200 psi (160 MPa) (testing equipment limit)

Recommended Seating Stress: 5800 to 8700 psi (40 to 60 MPa)

Available Sizes for Flange Standards:

ANSI 16.5, DIN 2600, JIS B2220, BS 4505, BS 10, AUS 2129

METAL CARRIER OPTIONS

Carbon Steel

MONEL®

INCONEL®

Copper

AL6XN® (Stainless Steel)

304 Stainless Steel

316 Stainless Steel

321 Stainless Steel

347 Stainless Steel

HASTELLOY®

Nickel

Titanium

SEALING ELEMENT OPTIONS

SEL+ Flexible Graphite

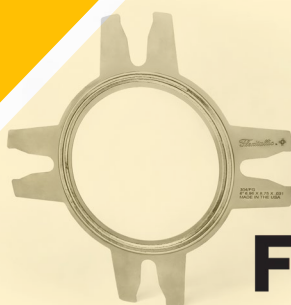
PTFE

Thermiculite

Corriculite

★ ★ ★
MADE IN THE
USA

**ALSO
AVAILABLE**



FLEX SL
Self Locator



FLEX MW
Manway

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