CGG® Gasket

Advanced Sealing

DESCRIPTION

The CGG® is a corrugated gasket with APX2 graphite facings, originally developed by Chevron for use in heat exchangers and fixed equipment. Based on exhaustive field and laboratory research, each parameter of the CGG® is finely tuned to optimize its performance and reliability in the demanding environment of heat exchangers.

APPLICATION

This gasket is for use in heat exchanger girth flanges where the width of the gasket is ½" or wider. When properly installed in code-designed flanges, the CGG® gasket is suitable for service pressures to 3,000 psi. It has been successfully used in tens of thousands of heat exchangers worldwide, resulting in leak-free sealing from turnaround to turnaround.

SEALING CHARACTERISTICS

- Turnaround to turnaround reliability. When properly installed, the CGG® gasket resists damage from radial shear forces, allowing it to remain tight throughout the entire service cycle.
- Replaces multiple styles of gaskets.
- Constructed of fire-safe materials.
- APX2 flexible graphite facings have extremely low oxidation rates at elevated temperatures, making the CGG® gasket suitable for services up to 1,000°F.

CHEMICAL COMPATIBILITY

Subject to materials, CGG® gaskets can be used in a wide variety of media, with a pH range varying from 0-14. Application/Compatibility Guide is available upon request.

AVAILABLE OPTIONS

Standard core materials are available in 304 or 316 stainless steel. Other alloys available upon request. The CGG® gasket is supplied in a standard thickness of 1/16". Custom configurations are also available, including double-rail and full-face designs.

APPROVALS & CERTIFICATES

APX2 graphite facing, as well as a metal corrugated core, are recognized as fire-rated materials. For additional information, please consult with the Engineering team.

Technical Data & Sealing Characteristics	
Maximum Temperature	1,000°F
Maximum Pressure	The maximum allowable pressure of a custom gasket depends on its design parameters and intended application conditions. For a detailed assessment, please consult the Engineering team.
Minimum Full Width Gasket Stress	5,000 psi
Minimum Recommended Gasket Stress	12,500 psi
Maximum Recommended Gasket Stress	40,000 psi