

Camprofile Pipe Flange Gasket



Advanced Sealing

DESCRIPTION

The Camprofile Pipe Flange Gasket (CPFG) features a serrated metal core with APX2 facing materials on both sides, designed to provide exceptional sealing performance across a broad range of pressure and temperature conditions. Engineered for use in flanged joints where flange gasket seating stress may be limited, CPFG gaskets offer an ideal combination of mechanical strength and seal adaptability.

APPLICATION

The CPFG gasket is designed for demanding applications in refineries, chemical plants, power generation, and general industrial plants. The CPFG is designed for all ASME B16.5 and ASME B16.47 flanges, so it can be directly substituted for any existing spiral wound gasket. Unlike spiral wound gaskets, it cannot come "unwound" and cannot be over compressed, so it requires no inner ring. CPFG gaskets are used in standard pipe flange applications.

SEALING CHARACTERISTICS

- Because the CPFG sealing element cannot come "unwound", it is often preferred to spiral wound gaskets for sizes over 24" - where the durable solid metal core of the CPFG makes handling and installation anxiety-free.
- The absence of an inner ring in the CPFG makes it ideal for applications where the inner rings of spiral wound gaskets interfere with valve function or pipe cleaning.
- Not only does the CPFG seal a hundred times tighter than standard spiral wound gaskets, but it does so with seating stresses as low as 5,000 psi! This is truly a "low-stress" gasket.

CHEMICAL COMPATIBILITY

The CPFG provides broad chemical resistance and excellent oxidation stability in high-temperature environments. PTFE facings are available upon request for demanding chemical applications.

AVAILABLE OPTIONS

CPFG gaskets are manufactured per ASME B16.20 and are readily available in sizes from ½" to 24" NPS. Custom sizes are available upon request. Stainless steel 316 core material is standard, however other alloys are available upon request.

APPROVALS & CERTIFICATES

APX2 is a fire-rated material, along with any gasket incorporating it as a component. For additional information, please consult the Engineering team.

Technical Data & Sealing Characteristics	
Maximum Temperature	1,000°F
Maximum Pressure	The maximum pressure capacity of a custom gasket is determined by specific design parameters and application conditions. For a detailed analysis, 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

All information contained on this datasheet is subject to change without prior notice. LGG INDUSTRIAL, INC. AND ITS AFFILIATES MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Buyer/end-user is responsible for determining whether the product is fit for a particular purpose and suitable for buyer's/user's method of use or application. Failure to follow procedures for selection, installation, care, maintenance, and storage of gaskets and other sealing products may result in the product's failure to perform properly and may result in damage to property and/or serious injury. LGG Industrial, Inc. and its affiliates shall not be subject to, and they hereby disclaim, any obligations or liabilities (including but not limited to all consequential, incidental, and contingent damages) arising from tort claims (including without limitation negligence and strict liability) or other theories of law.