

LAMONS DEFENDER FS

Dependable flange isolation and fire-safe protection for pipeline industries



Lamons® Defender FS® isolation gaskets are engineered for fire-safe, extreme, high-reliability sealing and electrical isolation in critical service applications. Designed to withstand the rigorous API standard 6FB (third edition) test, they provide a solution for those who want to electrically isolate their flange and protect against fire in and around the flange. The Defender FS isolation gaskets also work for applications where highly volatile media is involved. Combined with our on-time delivery and customer-focused service, the Lamons Defender FS comes with isolation sleeves and washers and is setting the industry standard for isolation gaskets.

INDUSTRIES & APPLICATIONS

INDUSTRIES

- Energy
- Oil and Gas
- Water and Wastewater

TYPICAL APPLICATIONS

- Fire safe electrical isolation
- High-pressure flanges up to ANSI2500#, API15K or PN420 high pH service
- H₂S/CO₂
- Volatile fluids

TECHNICAL DATA

Design Standards: ANSI ½" – 60" plus (including corresponding API and DN diameters)

Gasket Types: E or F

Gasket Pressure Range: API2K-15K; ANSI150#-2500#; PN20-420

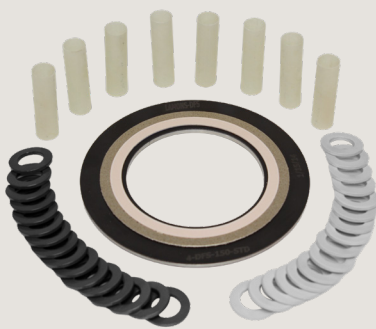
Temperature Range: Defender FS G10: Cryogenic – 303°F (-150°C – 150°C)

Defender FS G11: -100°F – 392°F (-73°C – 200°C)

Additional Alloys: Available with Inconel® and super duplex cores (upon request)

FEATURES AND BENEFITS

- Unlike other gasket manufacturers that use metal washers without isolation sleeves in order to pass fire certification, the Lamons Defender FS was tested with sleeves and mica-based washers that can withstand temperatures up to 2,000°F (1,093°C) without failing. This makes it one of the safest options on the market.
- To prevent moisture from corroding the metal washer underneath it and causing a short, Lamons uses mica washers instead of coated washers. This eliminates the chance of failure due to microscopic tears in the bubbles produced in the coating process.
- Utilizing non-coated parts provides a better quality, stronger gasketing solution. This results in fewer reinstallations, less downtime due to shorting from coating failures, and a reduction in safety issues for field personnel.



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