

FLANGE INSULATING GASKET



API 6A
Licence No.
6A-0722
Certification
ISO 9001 : 2015
ISO 14001 : 2015
OHSAS 45001 : 2018



“RISK FREE GASKETS ON TIME”

GOODRICH **TYPE FCS**

Goodrich Type “FCS” insulating gasket set is a fire-safe Insulation gasket that is a tight seal technology that limits hydrocarbon releases and the spread of fire. It is suitable for mis-matched RTJ to RF flanges and can also be used for non-critical applications. This gasket is rated to 205°C operating temperature with zero leakage in API 6FB fire tests up to 1500°F. Goodrich Type ‘FCS’ is specially designed for cathodic protection and ensures a high level of mechanical integrity.

Features & Benefits

- Extremely high reliability sealing and insulating for all critical services
- Withstands severe service conditions, including large bending moments, vibration, temperature and pressure cycling
- Tackles corrosive environments, including high concentrations of CO₂, H₂S, produced water, etc.
- Outstanding insulation properties for cathodic protection
- Pressure activated for reliable sealing and eliminating costly leaks
- Precisely sized to the bore to protect flange faces from media-induced corrosion and flow-induced erosion. Prevents turbulent flow at flanged connections
- Goodrich can match the ID of any flange assembly which can greatly mitigate the effects of flow induced corrosion, erosion, and MIC common of other types of gaskets used in piped flange connections
- Mitigates galvanic corrosion in dissimilar metal flanges
- Insulating Kits (sleeves and washers) always include high strength double washers and full-length sleeves for maximum assurance against short circuits
- High strength laminate material resists failure due to excess compression (i.e., over tightening bolts)
- Spring energized PTFE seal provides radial load and encapsulation in the seal groove to eliminate cold flow
- Available to match any flange specification (ANSI, API, BS, DIN, AS, others)
- Can seal mismatched RTJ Flange with Raised Face Flanges

GOODRICH TYPE FCS

Material Properties

Primary Seal Types: PTFE

Secondary Seal: MICA

Laminate Layer: G10, G11, Mica

Steel Core: 316/316LSS, 625/825 Inconel, Duplex/Super Duplex

Insulating sleeves: G10, G11, Mica

Insulating washers: G10, G11, Mica

Metallic Washers: Stainless Steel, Xylan Coated CS Washer

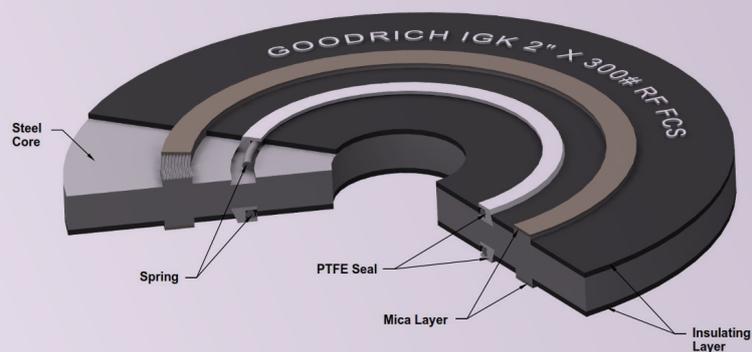
Gasket Properties

Fluid Services: Oil and Gas

Maximum Pressure Class: ASME 2500#/API 5,000

Water Absorption (%): ASTM D570 0.10

Dielectric Strength (V/mil): 800



INSULATING GASKET KIT - STYLE 'FCS'