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FLEXITALLIC Flange Rescue Gasket Cryogenic Service (FRG CS)

PRODUCT INFORMATION

PRODUCT REFERENCE: *FLEXITALLIC Flange Rescue Gasket Fire Cryogenic Service (FRG CS)*

DESCRIPTION: *The Flexitallic Flange Rescue Gasket Hydrofluoric is a specially designed sealing product engineered to offer a high integrity seal in bolted connections with damaged sealing faces, negating the requirement for costly and time consuming flange replacement or machining.*

CONSTRUCTION: *The Flexitallic FRG CS is comprised of a high integrity serrated metal ring faced with Flexitallic's high quality graphite material. This primary semi-metallic sealing element is dimensioned to seal on the outer section on the flange sealing face. A thicker highly conformable secondary seal, made from re-structured microcellular PTFE is mechanically located, within the internal diameter of the primary semi-metallic seal. This secondary seal is carefully dimensioned to fill any voids or crevices formed between the pipe-bore and the internal diameter of conventional gaskets on flange closure. The highly conformable nature and optimized thickness of the inner secondary seal ensures that it is capable of adapting to extensively damaged flange sealing surfaces. Full closure of this corrosion / erosion sensitive area prevents fluid ingress mitigating the potential for further flange damage. The presence of integrated locating tags ensures optimum gasket location eradicating operator error in gasket installation.*

MATERIALS:

Primary Seal;

*Core; Aluminium**
Facing; Graphite
*Location Ring/Tag; Aluminium**

Secondary Seal;

Sigma 606 (Ultra high compression biaxially structured PTFE formulated specifically to reduce corrosion rates).

SERVICE *The Flexitallic Flange Rescue Gasket Cryogenic Service has been primarily, but not exclusively, developed for use in Liquefied Natural Gas applications, typically suited for cryogenic temperatures. It is particularly suited for use on older assets where tight control of operating costs and asset efficiency are of prime concern.*

Minimum recommended temperature:	*-200°C (-328°F)*
Maximum recommended temperature:	*260°C (500°F)*
Pressure class:	*ASME B16.5 150lb thru 2500lb*

Do NOT use gasket pastes

DESIGN PARAMETERS:

ASME Code factor 'Y';	*17MPa (2500psi)*
ASME Code factor 'm';	*2.0*
PVRC Gasket Factor 'Gb';	*387psi*
PVRC Gasket Factor 'Gs';	*14psi*
PVRC Gasket Factor 'a';	*0.334*

AVAILABILITY: *To suit ASME B16.5 Class 150lb thru 2500lb flat and raised face flanges***

**Alternative metallurgy may be available on request.*

***Gaskets to suit other flange standards or bespoke applications may be available on request.*

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