



CF5035 TECHNICAL DATA SHEET:

CF5035 is a double jacketed gasket made by a corrugated metal disk insert having a special concentric section, with two seals in expanded graphite applied to the two faces and a corrugated outer box with controlled form to house the whole assembly.

CF5035 gasket is the ideal solution for substituting traditional flat double gasket.

The materials used in substituting the asbestos filler in conventional metal – plastic gasket does not retain the load or recovery typical of asbestos based seals inducing constant maintenance with cold and hot reloading or the application of a self – adhesive, corrugated graphite lining on both sides of the gasket, which would change the load calculations and gasket's conditions of use.

CF5035 maintains the same application characteristics as standard flat double gaskets so it can substitute them without the need to recalculate flange stability where this is critical.

The particular concentric construction of the metal insert of CF5035, guarantees against pressure surges during peaks sufficient to reduce the initial load and help seal retention at equal flange loads, it reduces leakage through the seal surfaces (labyrinth effect) and maintains outstanding elasticity and recovery.

This metal insert reduces the risk of crushing the filler and guarantees a residual elasticity even when the gasket undergoes high loads.

There isn't needing to line the faces with self – adhesive corrugated graphite.

Once properly loaded it does not require hot reloading or load recovery in applications involving temperature and pressure cycles. It retains vacuum as well as high pressure and temperature. It's easy to handle.

It can be supplied for DIN – ANSI standard flanges, RF for heat exchangers.

CF5035 gasket is Fire - safety – Tested and TA-Luft approved (VDI2440).

TECHNICAL CHARACTERISTICS

Metal insert materials:

(standard thickness 0.4mm)

-) Stainless steel 304 (T max 600 °C, P max 150 Bar)
-) Stainless steel 316 (T max 600 °C, P max 150 Bar)
-) Stainless steel 316L (T max 600 °C, P max 150 Bar)
-) Stainless steel 316Ti (T max 600 °C, P max 150 Bar)
-) Stainless steel 321 (T max 600 °C, P max 150 Bar)
-) Alloy 400, 600, 800, 825 (T max 600 – 950 °C, P max 150 Bar)
-) Hastelloy C276, B2 (T max 450 °C, P max 150 Bar)
-) Titanium (T max 350 °C, P max 150 Bar)

Soft lining materials:

(standard thickness 1mm)

-) Asbestos free, ecologic ceramic fiber
-) Expanded graphite***

Superficial flange finish:

-) 125 – 250 AARH

Gasket factor (ASTM):

-) m factor (AISI 316) 3.5
-) y factor (AISI 316) 6500 psi (44.8 Mpa)

****CF Service quality standard for graphite:*

-) Purity: > 98 %
-) Chloride content < 70 ppm
-) Sulphide content < 700 ppm
-) Corrosion inhibitor