

Sealing with Security

Semi Metallic Gasket

Metal jacketed gaskets are the most basic type of semi-metallic gaskets combining the high pressure suitability and blow out resistance of metallic materials with the improved compressibility of soft materials. Metal jacketed gaskets offer an economical seal where sealing faces are narrow and can be produced in a variety of shapes and configurations, making them a good option for heat exchangers.

Corrugated metal jacketed gaskets are a highly versatile family of products, available in wide variety of configurations and suited to a wide range of applications. For improved sealing performance the corrugated gaskets can be partially or completely covered.

Metal jacketed gaskets can be manufactured to suit a range of chemical environments by the selection of a suitable alloy jacket or core.

The fillers can be non asbestos mill board, non asbestos sheet material, Ceramic, Graphite, Mica or PTFE.

Standard thickness is 3.0mm but thickness can vary to suit customer requirements.

These gaskets are manufactured either as one piece or as ring rolled construction (bars are welded into place). The ring rolled version is the most commonly manufactured method due to material utilization and ease of production.

General Properties

- » Economical
- » Easy to handle and install
- » Suitable for high temperatures
- » Suitable for narrow flanges
- » Good blow-out resistance
- » Standard Core Materials

Applications

- » Heat exchangers
- » Exhaust gases
- » Valve bonnet gaskets
- » Narrow flanges

Styles

Style 100



Double Jacketed Gasket

Constructed of soft filler encapsulated by a metal jacket and insert. Designed for use on high temperature and pressure applications

Style 101



Single Jacketed Gasket

Constructed of soft filler covered by a metal jacket on both sides and one face. The gasket is ideal for narrow applications or moderate service conditions

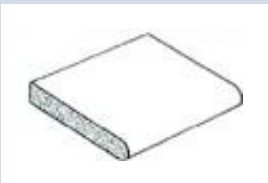
Style 102



Single Jacketed Gasket Totally Enclosed

Constructed of soft filler completely enclosed in a single jacket for use in applications where the width does not permit the use of a double jacketed gasket.

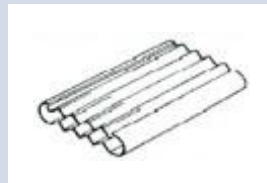
Style 103



Single Jacketed Gasket Open on Outer Diameter

Ideal for narrow applications where protection of the soft filler on the inner diameter is a requirement. Used in valve bonnets, sight glasses and vacuum Seals.

Style 105



Double Jacketed Corrugated (Soft Filler)

The reduced contact area of the construction enhances compressive characteristics making it more suited to applications of lower bolt load or where flanges are uneven.