

Metal Jacketed Gaskets

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, making them a good option for heat exchanger jointing.

General Properties

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

Applications

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

Metal Jacketed Gaskets can be manufactured to suit a range of chemical environments by the selection of a suitable jacketing metal, the following materials are available:

- Soft Iron
- Stainless Steel 304, 316, 316L, 321, 410
- Soft Steel
- Monel
- Inconel
- Incoloy
- Brass
- Copper Aluminium Titanium
- Nickel
- Brass
- Copper

Types of Metal Jacketed Gasket



Double Jacketed Gasket

Used on high temperature and pressure applications or where corrosion problems may exist



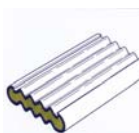
Single Jacketed Gasket

Used on applications where poor or pitted flanges exist



Single Corrugated (No Filler)

Used mainly in valve applications, small recess gap



Double Jacketed Corrugated (Soft Filler)

Reduced contact area, enhances compressive characteristics, suitable for uneven flanges



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