TEADIT®

Sealing for a safer and greener tomorrow

913M Spiral Wound Gaskets Style 913M

Description

Teadit® Style 913M is a standard Style 913 spiral wound gasket, with the inclusion of an inner ring. The purpose of the inner ring is to fill out the space between the flanges, avoiding turbulence in the media flow, or as protection against corrosion or erosion. It is also significantly utilized as compression limitation and enhances tightness. Gaskets with PTFE filler have a tendency to buckle inwards, thus the use of an inner ring is required per ASME B16.20. Inner rings are also required with ASME standard spiral wound gaskets with flexible graphite fillers, unless the purchaser specifies otherwise. Some higher NPS/ Pressure Class combinations require inner rings regardless of filler material.

Construction

Spiral Wound gaskets are made of a preformed metal strip and a soft filler wound together under pressure. When the gasket is seated, the filler flows, filling in the imperfections of the flanges. The metal strip holds the filler, giving mechanical resistance and resiliency to the gasket. Its "V" shape acts as a chevron ring reacting to changes in pressure and temperature.

The gasket is assembled into a centering ring, which helps position it appropriately, and provides protection from over compression. An inner ring is installed. The gasket is then fully contained and its optimal sealing value can be realized.

Application

ASME B16.20 gaskets were designed for use in ASME B16.5 and ASME 16.47 A/B flanges. Dimensions are standard for each Nominal Pipe Size and Pressure Class flange assembly combination. Request the materials for the winding metal and filler, which should be compatible with the piping and the media to be sealed.

MATERIAL PROPERTIES	
Filler Material	**Max. Temperature**
PTFE	500°F (260°C)
Flexible Graphite	842°F (450°C)
XHR-MICA /Oxidation Resistant FG/MICA	1500+°F (815+°C)*

Pressuresavailablefrom Class150 to2500asspecified.
*Please contact Teadit's Technical Department for assistance.

R.92017