

913M-OX

Spiral Wound Gaskets for Oxygen Service Fire-Safe Graphite Design

Description:

The Style 913M-OX spiral wound gasket is manufactured in a controlled and cleaned environment to insure the finished product is free from organic contaminants. It is typically produced from 316L stainless steel strip, inner and outer rings and high purity flexible graphite filler with oxidation inhibitors.

Flexible graphite filler typical properties:

Carbon Content (%)	≥98
Ash Content (%)	≤2
Total Chloride Content (ppm)	≤25
Total Fluoride Content (ppm)	≤10
Total Halogen Content (ppm)	≤100
Total Sulfur Content (ppm)	<300
Oxidation rate in air at 670C (%/h)	≤1
Density (g/cc)	1.0
Thickness (mm)	0.4

Properties:

The specific needs of oxygen service applications were taken in consideration while developing Style 913M-OX, to make it the ideal sealing solution for such applications.

Application:

Teadit Style 913M-OX was designed for use in oxygen-type service, such as GTL environments, where fire-safe design is essential.

Benefits:

The material selection and the manufacturing procedure developed for this gasket allows it to have the properties needed for Oxygen service, assuring a safe operation and low leak rates.

Service Limits:

Per BAM test report number 15021776E the 913M-OX gaskets service limits are:

-For gaseous oxygen:

Maximum Temperature °F (°C)	Maximum Oxygen Pressure psi (bar)
572 (300)	3625 (250)

-For liquid oxygen: No objections with regard to technical safety.

Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.

Teadit North America.

10545 Red Bluff Rd - Pasadena - TX - 77507

Phone: 281-476-3900 - Fax: 281-476-3999 - e-mail: sales@teadit.com - engineering@teadit.com - www.teadit-na.com