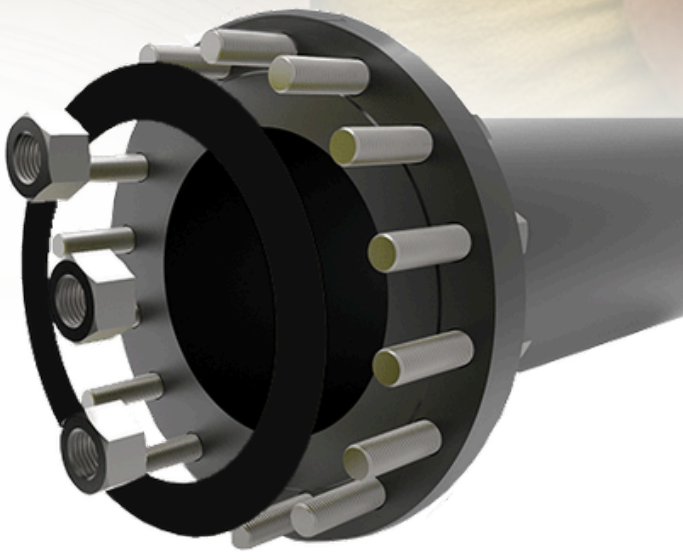
NEOPRENE FACED PHENOLIC KIT GASKET RAISED FACE







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Flange Insulation Kit Gaskets

These gaskets are suitable for use in ANSI B16.5, API, BS, and DIN Standards. The central gasket in this type is positioned inside the flange bolt circle, fully resting on the raised face portion of the flange.

"Spiraget®" Flange Insulation Kit Gaskets for effective corrosion protection and reliable sealing in a variety of industrial applications.

Product Description

Neoprene Faced Phenolic Gasket Kit

Details:
Neoprene Faced Phenolic Gaskets have been used as standard "flat" isolating gaskets in the oil and gas industries for many years. Soft neoprene rubber sheets are factory applied to both sides of a laminated phenolic retainer providing an effective sealing surface.
The temperature limit of these gaskets is approximately +175 °F. (+80 °C.)



Gasket Type:
Type F (Ring Gasket)
This gasket is manufactured to fit only the raised face surface of the flanges. Outside diameter of the gasket is designed to be slightly less than the inside diameter of the bolt circle. It is recommended that the flanges be wrapped to prevent foreign material from "shorting out" the flanges.

The contact faces exhibit an oval shape, ensuring a highly reliable seal. These gaskets comply with ASME B-16.20 standards.

Insulation Kit Gaskets Includes:

Insulation Kit Gasket.

Insulating Sleeves for the bolts - These sleeves prevent electrical currents from flowing through the bolts, thereby preventing galvanic corrosion that can occur when dissimilar metals come into contact. The sleeves can also aid in distributing stress evenly across the gasket when the bolts are tightened, which helps maintain a uniform compression and seal.

Insulating Washers - These washers further prevent electrical conductivity through the bolt holes, ensuring that the entire joint remains electrically isolated.

Steel Washers.



Insulation Kit Gasket



Insulation Washers



Steel Washers



Insulation Sleeves

Materials Used

	Insulation Gasket	Insulation Sleeve	Insulation Washer	Plated Washer
Standard	Neoprene faced Phenolic	Reinforced Phenolic	Reinforced Phenolic	Electro platedsteel washer
Special	Neoprene faced Phenolic	Nylon	Nylon	
	Neoprene faced Phenolic	Mineral filled Nylon	Mineral filled Nylon	
	Neoprene faced Phenolic	Polyethylene	Polyethylene	
	Glass Reinforced Epoxy (G-10)	Glass Reinforced Epoxy (G-10)	Glass Reinforced Epoxy (G-10)	
	PTFE	PTFE	PTFE	
	G11	Glass Reinforced Epoxy (G-10)	Glass Reinforced Epoxy (G-10)	

Properties of materials used in Flange Insulation Gaskets kits

Material	Dilectric Strength (Volts / MIL)	Water Absorption (%)	Max.Cont. OperatingTemp. (Deg.C.)
Polyethylene	450	0.01	41
Phenolic	400-500	1.1	107
Nylon	457	1.5	110
G10	550	0.01	138
G11	550	0.01	177
PTFE	450	0.01	41

How To Install

Installation of a gasket kit is easier if you know how to do it the right way. Here are a few tips to keep in mind before you go for installation.

Check and clean

It is best to remove all the debris and impurities from washers, fasteners, and gaskets. Check all the fasteners (nuts, studs, bolts) and washers to ensure defects like cracks and burns. Always check the flange surfaces, make sure about defects.

Align flanges

Make sure the flanges and bolts' holes coaxial coincide. The minimum flange gap is 10 mm. Insert the gasket carefully and parallel. Do not use jointing compounds, lubricants, or grease with gasket and flange surface. The compounds can affect the friction between the gasket and the flange can lead to premature joint failure.

Install flange kits

Apply bolt lubricant to the nut and bolt threads and the face of the nut and tighten it. Assemble the steel washer, insulation washer, and insulation sleeve to the bolts by turn (ensure the steel washer is always close to the nut). Insert the bolt holes. Avoid the use of the hammer, as it will damage the sleeves.

Check the alignment of the flange surface and the size of the sleeve if you find installation difficult. Put the insulator washer, steel washer, and nut into bolts on another side of the flange. Tighten all the bolts until the flange meets the gasket.

Do not forget to use the calibrated torque wrench or another tool that has control functions. You can install it following the recommended torque. Tighten the nut always in the symmetrical cross drawing.

Below are 5 steps you need to follow:

Initial tighten all the nuts by hand as you can use a small wrench for big nuts.

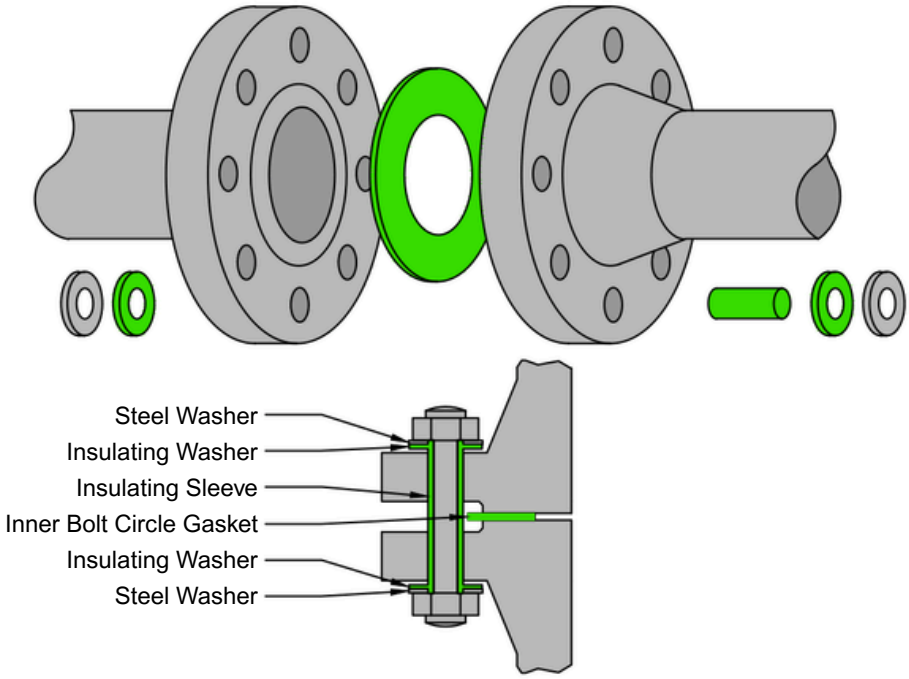
Tighten each nut by 30% of recommended torque.

Tighten each nut by 60% of recommended torque.

Tighten each nut by 100% of recommended torque.

Tighten all nuts in a clockwise direction to make sure all the nuts reach the required torque.

Type F



FULL RANGE OF FLANGE GASKET KITS OFFERED

SKU	DESCRIPTION
FIK-1501	FLG INS KIT RF 150# 1" TYPE F ANSI B16.21
FIK-15010	FLG INS KIT RF 150# 10" TYPE F ANSI B16.21
FIK-15012	FLG INS KIT RF 150# 12" TYPE F ANSI B16.21
FIK-15014	FLG INS KIT RF 150# 14" TYPE F ANSI B16.21
FIK-15015	FLG INS KIT RF 150# 1.5" TYPE F ANSI B16.21
FIK-15016	FLG INS KIT RF 150# 16" TYPE F ANSI B16.21
FIK-15018	FLG INS KIT RF 150# 18" TYPE F ANSI B16.21
FIK-1502	FLG INS KIT RF 150# 2" TYPE F ANSI B16.21
FIK-15020	FLG INS KIT RF 150# 20" TYPE F ANSI B16.21
FIK-15024	FLG INS KIT RF 150# 24" TYPE F ANSI B16.21
FIK-1503	FLG INS KIT RF 150# 3" TYPE F ANSI B16.21
FIK-1504	FLG INS KIT RF 150# 4" TYPE F ANSI B16.21
FIK-1506	FLG INS KIT RF 150# 6" TYPE F ANSI B16.21
FIK-1508	FLG INS KIT RF 150# 8" TYPE F ANSI B16.21
FIK-3001	FLG INS KIT RF 300# 1" TYPE F ANSI B16.21
FIK-30010	FLG INS KIT RF 300# 10" TYPE F ANSI B16.21
FIK-30012	FLG INS KIT RF 300# 12" TYPE F ANSI B16.21
FIK-30014	FLG INS KIT RF 300# 14" TYPE F ANSI B16.21
FIK-30015	FLG INS KIT RF 300# 1.5" TYPE F ANSI B16.21
FIK-30016	FLG INS KIT RF 300# 16" TYPE F ANSI B16.21
FIK-30018	FLG INS KIT RF 300# 18" TYPE F ANSI B16.21
FIK-3002	FLG INS KIT RF 300# 2" TYPE F ANSI B16.21

SKU	DESCRIPTION
FIK-30020	FLG INS KIT RF 300# 20" TYPE F ANSI B16.21
FIK-30024	FLG INS KIT RF 300# 24" TYPE F ANSI B16.21
FIK-3003	FLG INS KIT RF 300# 3" TYPE F ANSI B16.21
FIK-3004	FLG INS KIT RF 300# 4" TYPE F ANSI B16.21
FIK-3006	FLG INS KIT RF 300# 6" TYPE F ANSI B16.21
FIK-3008	FLG INS KIT RF 300# 8" TYPE F ANSI B16.21
FIK-6001	FLG INS KIT RF 600# 1" TYPE F ANSI B16.21
FIK-60010	FLG INS KIT RF 600# 10" TYPE F ANSI B16.21
FIK-60012	FLG INS KIT RF 600# 12" TYPE F ANSI B16.21
FIK-60014	FLG INS KIT RF 600# 14" TYPE F ANSI B16.21
FIK-60015	FLG INS KIT RF 600# 1.5" TYPE F ANSI B16.21
FIK-60016	FLG INS KIT RF 600# 16" TYPE F ANSI B16.21
FIK-60018	FLG INS KIT RF 600# 18" TYPE F ANSI B16.21
FIK-6002	FLG INS KIT RF 600# 2" TYPE F ANSI B16.21
FIK-60020	FLG INS KIT RF 600# 20" TYPE F ANSI B16.21
FIK-60024	FLG INS KIT RF 600# 24" TYPE F ANSI B16.21
FIK-6003	FLG INS KIT RF 600# 3" TYPE F ANSI B16.21
FIK-6004	FLG INS KIT RF 600# 4" TYPE F ANSI B16.21
FIK-6006	FLG INS KIT RF 600# 6" TYPE F ANSI B16.21
FIK-6008	FLG INS KIT RF 600# 8" TYPE F ANSI B16.21