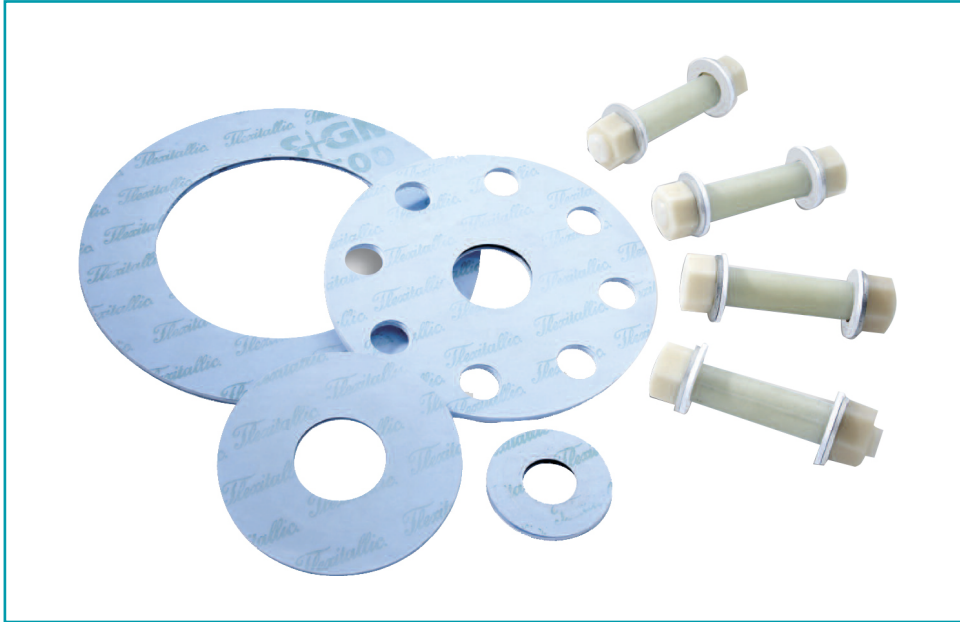


# FLEXITALLIC LP FLANGE ISOLATION SET



The SIGMA® 500 material is suitable for sealing all chemicals across the whole pH range (0-14) with the exception of molten alkali metals, fluorine gas or hydrogen fluoride.

The insulating gasket and washers have been designed and developed for use in pipelines that require cathodic protection. This special design exceeds the requirements of 'Saudi Aramco Std. 02-SAMSS-010'.

## Insulating Gasket Properties

Gasket Thickness	3mm
Gasket Factor (m)	1.4
Min Design Seating Stress (y)	1885 psi
Minimum Temperature	-200°C
Maximum Temperature	260°C
<hr/>	
Dielectric Strength	9.8 kV/mm

The Flexitallic I-Flex Low Pressure Isolation Flange Set (LP) is comprised of an isolating Gasket, isolating Sleeves, isolating Washers and Metal Washer. The isolating Gasket is a 3 mm soft cut Sigma® 500 material.

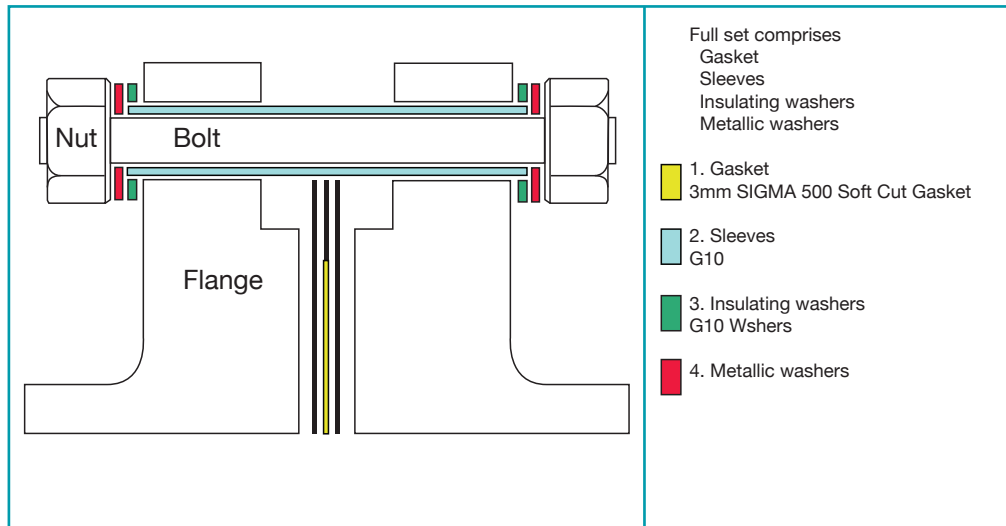
Colour: Blue

## Service

The Flexitallic I-Flex gasket is capable of effecting a seal over a wide range of applied stress making the product suitable for use in an extensive range of standard and non-standard bolted connections.

Soft compressive materials and a relatively wide sealing face make the product more robust with regard to use on a wide range of flange sealing face conditions when compared with 'O' Ring and/or spring energised based gasket insulation technology.

Maximum Flange pressure class: 300 Class ASME 16.5



## Metallic Backing Washers

Stainless Steel 316 (as standard) 3mm thk.  
(Note: Other metals can be provided to suit the application)

## The Standard Isolation Set comprises of the following components:

I-Flex Insulating Gasket soft cut – up to 150/300 class	1 pc
G10 Insulating Sleeves	1 pc per flange bolt
G10 Insulating Washers	2 pc's per flange bolt
Backing Washers 316SS	2 pc's per flange bolt

Maximum temperature: 150°C

Please contact the Seaco Applications Engineering Team when specific operating parameters requires confirmation of appropriate materials.

## Insulating Sleeves / Tubes – Thermal / Dielectric Properties

G10 – Temperature Range 150°C

G10 – Dielectric Strength 19.7 kV/mm

(Note: Other materials, for example Mylar, Phenolic and Nomex, are available on request.)

## Insulating Washers - Thermal / Dielectric Properties

G10 – Temperature Range 150°C

– Dielectric Strength 19.5 kV/mm

## Waranty exclusion

In view of the variety of different installation and operation conditions and application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.