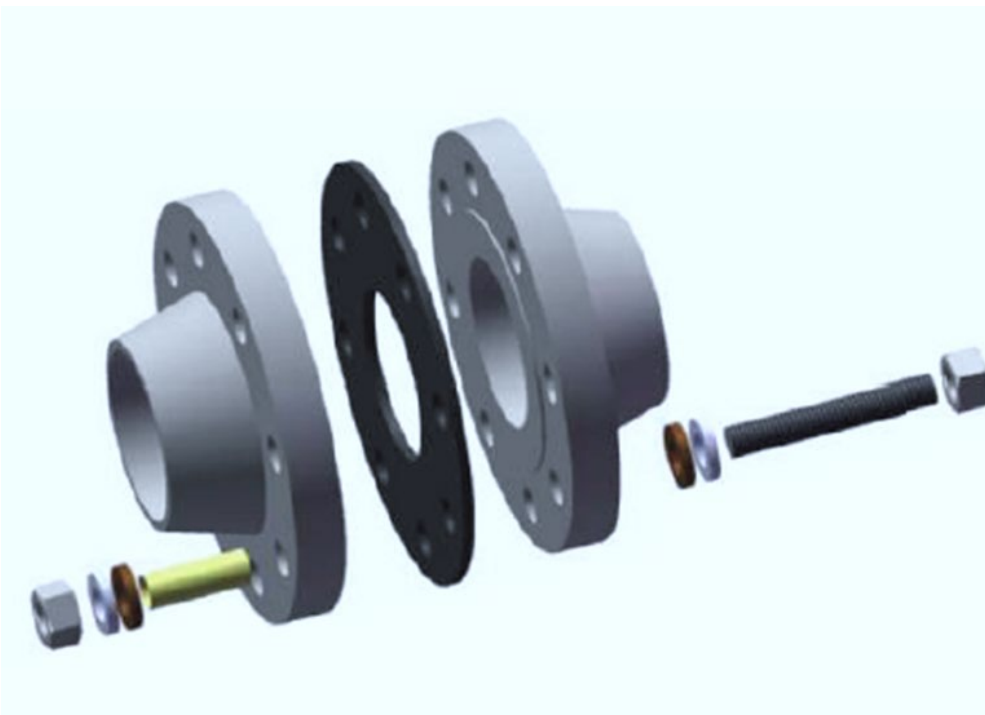




INSULATION KITS

Basic & ISOMAX



INSULATION KITS

Basic & ISOMAX

Applications

- » Insulation kits are used to provide electrical isolation between the metal surfaces of a flanged joint, by means of eliminating any metal-to-metal contact between the flange face and fasteners.
- » Insulation kits are used where dissimilar metal flanged joints are present in order to eliminate galvanic corrosion effects. These are commonly found where piping spec breaks occur.
- » Insulation kits are also used as part of cathodic protection systems, where electrical currents are required to be confined within certain circuits.

Dimensions

- » Insulation kits are dimensioned to fit all ASME B16.5 flanges, from 1/2" to 24" nominal bores, in all pressure classes.
- » Gasket thicknesses are as follows:
 - » Klingersil C4430: 1/8"
 - » Topchem 2003: 1/8"
 - » ISOMAX LPS: 1/8"
 - » ISOMAX HPS: 1/4" (7mm)
- » Insulating and metal washers are 1/8" thick.

Properties

- » An insulation kit consists of:
 - » A full face or ring insulating gasket
 - » An insulating sleeve for each bolt
 - » Two insulating washers per bolt
 - » Two metal washer per bolt
- » Full face gaskets must be used on flat face flanges. Either ring or full face gaskets can be used on raised face flanges. The gasket inside diameter is adjusted to match the bore of the pipe.
- » Kits are provided for different pressure classes as follows:
 - » BASIC: Class 150
 - » ISOMAX LPS: Class 300
 - » ISOMAX HPS: Class 6/9/1500

Materials

- » Gasket materials:
 - » BASIC: Klingersil C4430 or Topchem 2003
 - » ISOMAX LPS: G10, with PTFE seal
 - » ISOMAX HPS: Laminated G10 on metal core, with PTFE seal
- » Sleeve materials: Nomex or G10
- » Insulating washers: G10
- » Metal washers: Zinc coated carbon steel

03182020

SIDNEY, OHIO
2350 Campbell Road
Sidney, OH 45365

☎ 937.498.2222

✉ info@thermosealinc.com

**THERMOSEAL**
A KLINGER Company

www.thermosealinc.com

HOUSTON, TEXAS
3803 S. Sam Houston Pkwy West
Houston, TX 77053

☎ 713.997.8111

✉ info@thermosealinc.com