

POWER PLANT SUPPLY CO FLANGE GASKETS & Flange isolation Kits

<http://www.powercanadasolutions.com/flangeisolation.html>

<mailto:sales@powerplantsupplyco.com> PH 902 435 9899



PSI Flange Isolation Kits

Flange Isolation

Flange isolation kits are available for all flange sizes, types, pressure ratings and materials. Each kit is individually and securely packed in a reinforced corrugated cardboard box, which is clearly labeled as to its contents for convenience in warehousing and field use. Very large diameter gaskets are packaged separately from the sleeves and washers for convenience in storing and handling.

Each gasket is labeled with:

- Materials (Retainer Material or Retainer/Seal Element Combination)
- Pipe Size
- ANSI Class
- Date of Manufacture
- Type Flange (Weld Neck or Slip-on)
- Installation Procedure
- Torque Values



Flange Isolation Kits

FLANGE ISOLATION

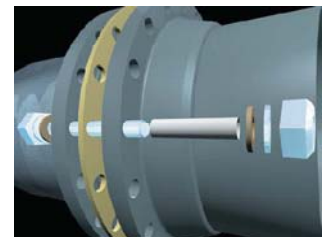
Single Washer Set

Single washer set flange isolation kits include the following items for each bolt:

- One - 1/8" thick steel washer
- One - Isolating washer
- One - Isolating sleeve

Application Considerations

In buried applications, single washer configurations may be used to allow the Cathodic Protection (CP) current to reach the nuts and bolts. If desired, nuts on the opposite side of the cathodically protected flange may be included as part of the CP system.





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Flange Isolation Kits

Double Washer Set

Double washer set flange isolation kits include the following components for each bolt:

Two - 1/8" thick steel washers

Two - Isolating washers

One - Full length isolating sleeve

Application Considerations

Double washer configurations may be used for added protection against the possibility of "shorting out" the nuts and bolts. In addition, double washer sets electrically isolate the nuts and bolts from both flanges.



Plain Phenolic, Rubber Faced Phenolic, G-3 Hi-Temp Phenolic Glass, G-7* Silicone Glass,

Phenolic Glass, G-10 Epoxy Glass G-11 Epoxy Glass,

Nitrile, Viton, Teflon, Neoprene, EPDM

Isolating and Sealing Gasket

One full faced isolating and sealing gasket, LineBacker® Sealing Gasket - Type "E", 1/8" thick, phenolic retainer containing a precision tapered groove to accommodate the controlled compression of a EPDM quad-ring sealing element. Sealing element placement shall accommodate either flat, raised or RTJ face flanges. The quad-ring seal shall be pressure energized. The phenolic retainer shall have a 500 volts/mil dielectric strength and a minimum 25,000 psi compressive strength. The full faced flange isolating gasket shall be 1/8" less in I.D. than the I.D. of the flange in which it is installed.

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For flange Isolation, Kits, including sleeves, washers, gaskets, for all ANSI, API class pressures and all pipe sizes; Power Plant Supply Co has convenient shipping warehouse locations in Canada, to serve customers in Ontario, ON, Quebec, QC, Atlantic Canada, including New Brunswick, NB, PEI, Nova Scotia, NS, Newfoundland & Labrador, NL, British Columbia, BC, Alberta, AB, Manitoba, Man, Saskatchewan, SK, Nunavut, Northwest Territories, NWT, Yukon. Next day Air or convenient ground to major cities including Vancouver, Calgary, Edmonton, Fort McMurray, Winnipeg, Yellowknife, Thunder Bay, Hamilton, Toronto, Ottawa, Montreal, Quebec City, Saint John, Moncton, Fredericton, Charlottetown, Halifax, Sydney, Corner Brook, St John's



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POWER CANADA SOLUTIONS

POWER PLANT SUPPLY CO PSI FLANGE ISOLATION KIT
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Type “E” Gaskets

Type “E” Gaskets extend to the outside diameter of the flange. They

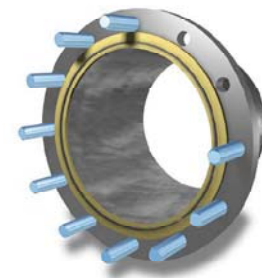
PSI Isolating Gasket Types

feature precision located bolt holes, to automatically center the gasket, and offer maximum protection against foreign material “shorting-out” the flange.

Type “E” gaskets may be ordered in any one of the following configurations:

- LineBacker® Sealing Gaskets
- GasketSeal® Sealing Gaskets
- Rubber Faced Phenolic Gaskets
- Plain Phenolic Gaskets
- Red Devil Gaskets
- Yellow Jacket Gaskets
- Garlock Gaskets
- Teflon® Gaskets

When configured as a LineBacker® Sealing Gasket, the sealing element may be positioned anywhere between the I.D. of the gasket and I.D. bolt circle.



Type “F” Gaskets

Type “F” Gaskets are made to fit within the bolt hole circle of the flange.

The O.D. of the gasket extends out to the I.D. of the bolt hole circle for good protection against foreign material “shorting-out” the flange. Type “F” gaskets may be ordered in any one of the following configurations:

- LineBacker® Sealing Gaskets
- GasketSeal® Sealing Gaskets
- Rubber Faced Phenolic Gaskets
- Plain Phenolic Gaskets
- Red Devil Gaskets
- Yellow Jacket Gaskets
- Garlock Gaskets
- Teflon® Gaskets

When configured as a LineBacker® Sealing Gasket, the sealing element may be positioned anywhere between the I.D. of the gasket and I.D. of the bolt circle.

Type “D” Gaskets

Type “D” Gaskets are available for RTJ flanges but the LineBacker® Sealing Gasket is an excellent alternative to “D” gaskets because the sealing element may be positioned anywhere between the I.D. of the gasket and I.D. of the ring groove. Inquire about the LineSeal™ sealing gasket for RTJ flange applications.



Contact :sales@powerplantsupplyco.com for sizing