GASKETING PRODUCT SELECTION GUIDE

STEP 1:
Verify that the Application meets GORE® Gasketing Qualifications.

- Elemental Fluorine
- Process Media
- Design Temperature
- Design Pressure
- Industrial full vacuum to 40 bar (580 psig)
- > 40 bar (580 psig)
- < -269 °C (-452 °F)
- > +315 °C (+600 °F)
- Anything Else
- Strong Reducers (e.g., Molten Alkali Metals)

1) Absolute pressure of 1 mmHg(Torr) = 133 Pa = 1.33 mbar = 0.019 psi

STEP 2:
Narrow the selection of GORE® Gaskets for the application by selecting the flange material and size.

- Steel Flange
  - DN 10 to 450 (NPS 0.5 to 18)
  - DN 450 to 800 (NPS 18 to 32)
  - Larger than DN 800 (NPS 32)

- Glass-Lined Steel Pipe or Vessel Flange
  - DN 15 to 600 (NPS 0.5 to 24)
  - DN 600 to 800 (NPS 24 to 32)
  - Larger than DN 800 (NPS 32)

- Plastic, FRP or Lined Flange
  - DN 15 to 800 (NPS 0.5 to 32)

- GORE® Universal Pipe Gasket
- GORE® GR Sheet Gasketing
- GORE® Gasket Tape Series 500 or GORE® Joint Sealant
- GORE® Gasket Tape Series 1000
- GORE® Universal Pipe Gasket

These selection criteria are for general guidance only. To determine suitability in a specific application, see the product data sheets and installation instructions on gore.com. If additional assistance is needed, please contact GORE® Gaskets Technical Support.
**GORE® Universal Pipe Gasket (Style 800)**

A universal gasket for all standard flanges on chemical process piping. Designed to meet the needs of different piping materials, it is ideal for standardizing across steel, glass-lined steel, and fiber-reinforced plastic (FRP) systems. It delivers long-life performance, lowers total system sealing costs and simplifies inventory stocking requirements, while also protecting against the use of the wrong gasket.

**GORE® GR Sheet Gasketing**

Unmatched in sealing reliability, this unique product is ideal for sealing steel pipe and equipment flanges across a range of aggressive fluids. Gain the benefits of PTFE gasketing without the problems of creep and cold flow – along with a level of high-temperature and blowout resistance that is superior to any other PTFE sheet gasket. Highly conformable, it compresses into an extremely tough gasket that seals tight, even on irregular flanges.

**GORE® Joint Sealant**

The original form-in-place gasketing, it’s the most versatile and cost-effective alternative to sheet gasketing for large equipment flanges. Ideal for sealing complex surfaces, it conforms extremely well to rough or pitted surfaces. It’s easy to install, too: just peel off the backing, apply to the surface, and overlap the ends for a remarkably tight seal.

**GORE® Gasket Tape Series 500**

Save time, money, and trouble with this cutting-edge form-in-place product that maximizes operational reliability of large steel pipe and equipment flanges. Delivering dramatically improved creep resistance, the highly compressible tape forms a very tight seal that is long-lasting while also handling the rigors of virtually any chemical process. Unlike traditional large gaskets, this tape fits any shape instantly which eliminates large gasket fabrication and inventory challenges.

**GORE® Gasket Tape Series 1000**

GORE® Gasket Tape Series 1000 addresses all the challenges of reliably sealing large glass-lined-steel flanges. Made of 100% expanded PTFE (ePTFE), this highly conformable tape is chemically inert, and highly resistant to creep, cold flow and clamp-force loss. Its proprietary barrier core maintains an extra tight seal even at low loads.

**GORE® Joint Sealant FT**

This versatile, thin-profile, form-in-place gasketing features a full-face strip-type construction under 2 inches (50.8 mm) wide for smooth, flat, rectangular sealing surfaces or for narrow sealing surfaces. It compresses easily to an extremely thin profile, while requiring only minimal compression to seal. Because of its easy installation and removal, it is ideal for equipment with tight tolerances.