<h3>GasketSeal® Sealing Gaskets</h3> GasketSeal® sealing gaskets are considered one of the most effective methods for sealing and isolating flanges of all types. The gasket consists of two molded semi "O" rings (with precise crown to void ratio) mounted in grooves on opposite sides of an isolating retainer. While maintaining all the advantages of a full "O" ring seal, the semi "O" ring seal eliminates the need for a sealing groove in the flange face to reduce problems associated with alignment. GasketSeal® sealing gaskets incorporate near zero "m" and "y" factors that make it possible to effect a positive seal without tremendous bolt loads required with flat gaskets. GasketSeal® sealing gaskets are available in a wide variety of retainer and sealing element combinations for matching gaskets to service and environmental conditions. Refer to the chart for the GasketSeal® sealing gasket temperature ranges and material compatibilities. <h3>LineBacker® Sealing Gaskets</h3> LineBacker® sealing gaskets utilize a patented rectangular sealing element, referred to as a "quad" ring, in combination with a unique groove design to effectively seal and isolate flanges of all types.?With the unique "quad" ring design, elastic memory is provided for elastomers not normally associated with this characteristic. Materials such as polyimide, TFE (Teflon) and vinyl may therefore be used as sealing elements which dramatically increases the options available for matching gasket materials to service and environmental conditions. This greater variety of materials also provides excellent temperature and chemical range compatability. LineBacker® sealing gaskets incorporate near zero "m" and "y" factors that make it possible to effect a positive seal without tremendous bolt loads that are required with flat gaskets. Refer to chart for LineBacker® sealing gasket temperature range and material compatibilities. <h3>Neoprene Faced Phenolic Gaskets</h3> 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.). Note: Due to improved sealing characteristics and retainer/seal element options, LineBacker or GasketSeal sealing gaskets should be considered in lieu of neoprene faced phenolic gaskets whenever possible. <h3>Flat Gaskets</h3> Flat gaskets are used in special applications such as elevated temperatures that often require materials such as Red Devil or Yellow Jacket. Please contact a ALFA representative for additional information on available options.
