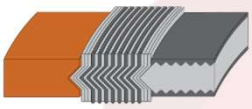
GSI-HF Product Range – HF Alkylation Service

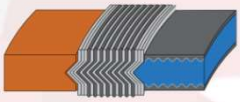
Description:

Style GSI-HF gaskets are designed for highly corrosive applications, such as Hydrofluoric Acid (HF). This style offers the advantage of having double sealing design which occupies all the space from the bore of the pipe to the outer diameter of raised face flanges. The spiral wound can be fabricated to the customers specifications. Typically, we will use either Kammprofile Carbon Steel (Teflon Coated) or Monel Inner ring faced with Graphite or PTFE. This Kammprofile Inner ring is affixed to the "special" spiral wound. The GSI-HF gaskets are designed to prevent corrosion on the flange faces, especially in HF service.

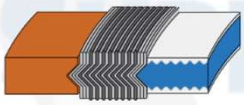
Styles:



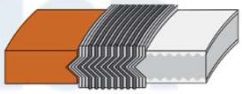
GSI Winding – APX2 Graphite – Monel. Monel Kammprofile Inner Ring – APX2 Graphite Faced



GSI Winding – APX2 Graphite – Monel. PTFE Coated Carbon Steel Kammprofile Inner Ring – APX2 Graphite Faced

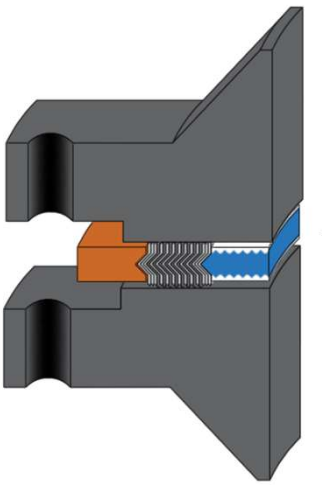


GSI Winding – APX2 Graphite – Monel. PTFE Coated Carbon Steel Kammprofile Inner Ring – EPTFE Faced



GSI Winding – APX2 Graphite – Monel. Monel Kammprofile Inner Ring – EPTFE Faced

The winding portion is the main sealing element but once compressed the inner kammprofile creates a seal and stops HF attack on the inner bore of the flange faces.



The inner ring is designed to sit on the inner bore of the pipe to stop HF build up in this area

Gasket Properties	
m	2.5
y	5500 psi

Maximum Temperature (Filler)	
3S Inhibited Graphite	850˚F (454˚C)
APX2 Graphite	975˚F (524˚C)
PTFE	500˚F (260˚C)
Maximum Temperature (Alloys)	
Monel	1500˚F (815˚C)
Carbon Steel	900˚F (482˚C)