

ALKY-ONE® Gasket



Advanced Sealing

DESCRIPTION

To meet the challenges of sealing Hydrofluoric Acid, our patented, fire-safe ALKY-ONE® gasket uses a Monel 400 Kamprofile primary seal and a 100% expanded PTFE barrier pillow to provide ID-to-OD sealing. The ALKY-ONE® gasket has a carbon steel outer ring. However, other alloys are available upon request.

APPLICATION

The ALKY-ONE® gasket is available for Hydrofluoric Alkylation Units and Sulfuric Alkylation Units. The ALKY-ONE® gasket is used for service temperatures up to 550°F.

SEALING CHARACTERISTICS

- This gasket's unique, patented features ensure that it will seal more quickly and tightly than any other alky-service gasket.
- The unique, integrally attached Barrier Pillow, made from 100% expanded PTFE, prevents acid intrusion and pooling on flange faces, reducing or eliminating the need to replace eroded flanges.

CHEMICAL COMPATIBILITY

The ALKY-ONE® gasket utilizes materials specifically selected to provide chemical resistance for the intended service application.

AVAILABLE OPTIONS

For Hydrofluoric Acid Applications: Monel 400 core, standard; carbon steel core, optional. For Sulfuric Acid Applications: 316 Stainless Steel, standard. Available for ASME B16.5 and ASME B16.47 flanges.

APPROVALS & CERTIFICATES

- Fire-safe certified per API 607

Technical Data & Sealing Characteristics	
Maximum Temperature	550°F
Maximum Pressure	Suitable for 150lb and 300lb pressure Class flanges. For anything above these pressures, consult with the Engineering team.
Minimum Recommended Gasket Stress	5,000 psi
Maximum Recommended Gasket Stress	40,000 psi

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