






Integra® Series Gaskets



ADVANCE
PRODUCTS & SYSTEMS, LLC

Severe Service Cathodic Isolating Gaskets

GASKETS ONLY

	INTEGRA II SSA®	INTEGRA II SSAFS®	INTEGRA II SSAID®	INTEGRA XT®	INTEGRA HS®	INTEGRA Z®
						
Applications	<ul style="list-style-type: none"> - Severe service applications up to & including ANSI 2500# and API 10,000# classes. -Designed for severe isolating service in harsh environmental applications, especially where hydrocarbons are a factor. -Various sleeve & washer options available. 	<ul style="list-style-type: none"> -Critical fire safe applications -Incorporates high-temp sealing characteristics of Kamm profile with a highly dielectric mineral secondary seal. -Highly suitable for all severe service applications up to & including ANSI 2500# and API 10,000# classes. -Zero-free leaks for high sulfur content crude oil or H2S gas fugitive emissions, proven through multiple applications. -API 6FB approved -Available with hardened-coated steel washers & various sleeve options. 	<ul style="list-style-type: none"> -Suitable for applications with high chloride content or other highly corrosive media. -Zero-free leaks for high sulfur content crude oil or H2S gas fugitive emissions, proven through multiple applications. -Provides reliable PTFE seal at flange bore, providing excellent chemical resistance which enables the gasket retainer material to be impervious to the most aggressive media within the pipe. -Various sleeves & washer options available. 	<ul style="list-style-type: none"> -Critical extreme temperature applications. -Suitable for steam applications. -Combines the reliability of a Kamm profile retainer with the temperature capabilities of a highly dielectric mineral seal. -Kits are available with extreme temperature sleeves & washers. 	<ul style="list-style-type: none"> -Suitable for aggressive chemicals (e.g.: hydrogen sulfide, dry and liquid chlorine). -Incorporates the reliability of a stainless steel Kamm profile ring with a non-asbestos compressed outer retainer ring and hydrogen sulfide-resistant PTFE-based seals on both sides of the gasket. -Effective at sealing across a wide range of chemicals, hydrocarbons, and gaseous mixtures. -Various sleeve & washer options available. 	<ul style="list-style-type: none"> -Cryogenic gasket -EC-5000 retainer material developed for and used by NASA for absolute zero operating temperatures. -Various sleeve & washer options available.
Max Operating Temp	G10: 302°F(150°C) G11: 400°F(205°C)	G10: 302°F(150°C) G11: 400°F(205°C)	G10: 302°F(150°C) G11: 400°F(205°C)	800°F(427°C)	Variable Depending on Washers/ Sleeves	Absolute zero operating temperature -273°C / -459°F
Compressive Strength	G10: 66,000 PSI G11: 58,000 PSI	G10: 66,000 PSI G11: 58,000 PSI	G10: 66,000 PSI G11: 58,000 PSI	316 SS: 85,000 PSI	316 SS: 85,000 PSI	65,000 PSI
Dielectric Strength	G10: 800 VPM G11: 550 VPM	G10: 800 VPM G11: 550 VPM	G10: 800 VPM G11: 550 VPM	635 V/mil (25 kV/mm)	406 V/mil (16 kV/mm)	670 VPM
Water Absorption	G10: 0.04% G11: 0.08%	G10: 0.04% G11: 0.08%	G10: 0.04% G11: 0.08%	Mica: 0.99%	Durlon 9000: .086%	0.10%
Flexural Strength	G10: 65,000 PSI G11: 58,000 PSI	G10: 65,000 PSI G11: 58,000 PSI	G10: 65,000 PSI G11: 58,000 PSI	316 SS: 30,000 PSI	316 SS: 30,000 PSI	75,000/65,000 PSI
Tensile Strength	G10: 51,000 PSI G11: 41,000 PSI	G10: 51,000 PSI G11: 41,000 PSI	G10: 51,000 PSI G11: 41,000 PSI	Mica: 20,300 PSI 316 SS: 44,000 PSI	316 SS: 44,000 PSI	45,000/38,000 PSI
Bond Strength	G10: 2,600 lb. G11: 2,200 lb.	G10: 2,600 lb. G11: 2,200 lb.	G10: 2,600 lb. G11: 2,200 lb.	N/A	N/A	2,300 lb.
Shear Strength	G10: 22,000 lb. G11: 21,200 lb.	G10: 22,000 lb. G11: 21,200 lb.	G10: 22,000 lb. G11: 21,200 lb.	316 SS: 71,800 PSI	316 SS: 71,800 PSI	22,000 lb.



**FOR MORE INFORMATION
PLEASE CONTACT US**

WWW.APSONLINE.COM 1-800-315-6009 SALES@APSONLINE.COM

REV 071323



Made in USA

Integra® Series Gaskets



ADVANCE
PRODUCTS & SYSTEMS, LLC

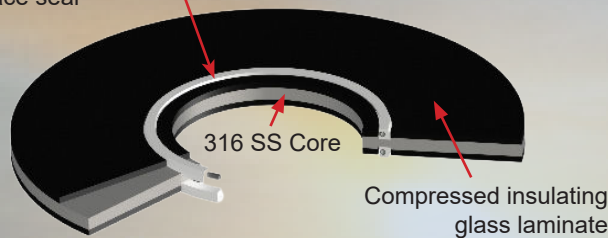
Severe Service Cathodic Isolating Gaskets

The Integra Series gaskets are exceptionally dependable for isolating and sealing purposes in severe service applications. These gaskets are applicable for:

- Isolating between flanges of dissimilar metals to prevent galvanic corrosion.
- Wellhead isolation from inter-connected flow lines.
- Mating mismatched dissimilar flanges.
- Eliminate turbulence and flow-induced erosion between ring-joint (RTJ) flanges.
- Protect against corrosion on uncoated or scarred flange faces.
- Seal between flanges subjected to vibration/cavitations.
- Eliminate corrosion from forming in the cavities between RTJ flanges where intense modes of hostile chemicals may be present.

INTEGRA II SSA®

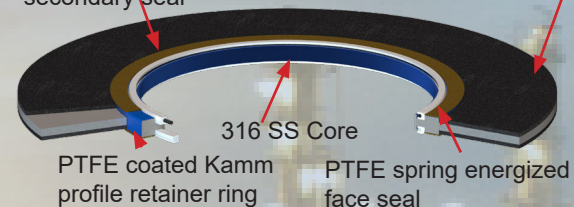
PTFE spring-energized face seal



INTEGRA II SSAFS®

High-temperature secondary seal

Compressed insulating glass laminate



INTEGRA II SSAID®

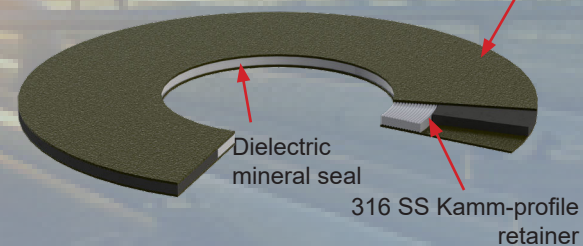
PTFE spring seal (optional secondary seal)

Compressed insulating glass laminate



INTEGRA SSAXT®

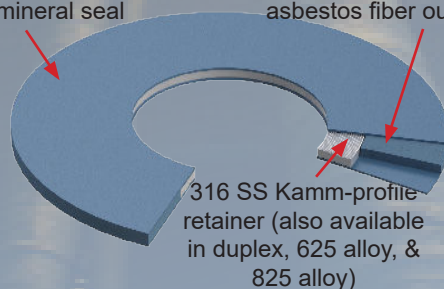
Compressed, non-asbestos fiber/outer ring



INTEGRA II SSAHS®

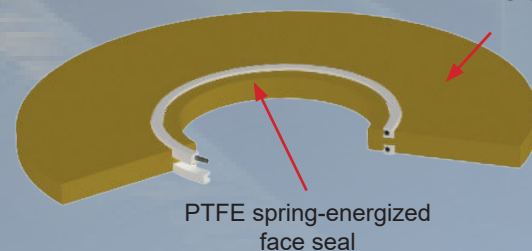
Dielectric mineral seal

Compressed, non-asbestos fiber outer ring



INTEGRA Z®

EC-5000



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