



Made in USA

# INTEGRA SSAHS

## AGGRESSIVE CHEMICALS ISOLATION GASKETS

ISO-9001:2015 CERTIFIED COMPANY - FM537405

WWW.APSONLINE.COM



### WHAT IS INTEGRA SSAHS GASKET KIT & WHY IS IT USED?

The isolating kit was created to meet the high demands of our customers for a cathodic protection gasket in applications where aggressive chemicals, including hydrogen sulfide and dry and liquid chlorine, are used. The SSAHS combines 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. This gasket is suitable for all severe services applications up to and including ANSI 2500# and API 10,000# classes. Isolation Kits are available with various sleeve and washer options depending on your application. Isolation Kits include an Integra SSAHS isolating gasket, isolating sleeves, and isolating washers with 316 stainless steel backup washers.

### APPLICATIONS

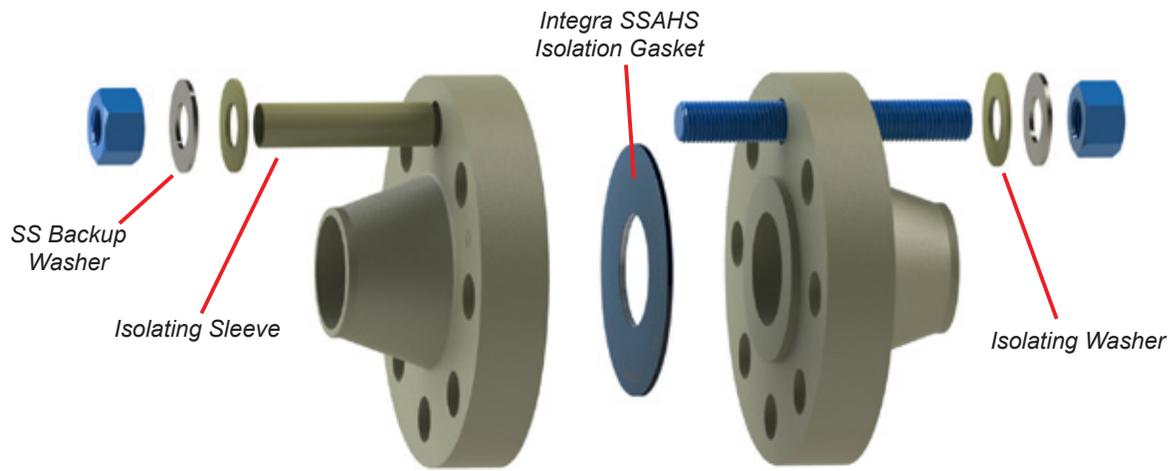
- Suitable for use with aggressive chemicals (e.g.: hydrogen sulfide, dry chlorine).
- Flange Isolation with true cathodic protection.
- Isolating between flanges of dissimilar metals to prevent galvanic corrosion.
- Wellhead isolation from inter-connected flow lines.
- Mating mismatched dissimilar flanges.
- Eliminate turbulence and flow-induced erosion between ring-joint (RTJ) flanges.
- Protect against corrosion on uncoated or scarred flange faces.
- To 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.

### PRESSURE & TEMPERATURE RANGE

<b>Operational Pressure Range:</b>	<b>Max Operating Temperature:</b>
Full Vacuum to ASME B16.5 2500 lb	Variable Depending on Washers/Sleeves

APS Integra SSAHS flange isolation kits are made from materials which electrically isolate and cathodically protect flanges and flange components. Unlike glass reinforced epoxy resin isolation gaskets, the SSAHS gasket is designed for applications where aggressive chemicals are used. The gaskets are effective at sealing across a wide range of chemicals, hydrocarbons, and gaseous mixtures, as well as maintaining sealing at elevated temperatures.





## PHYSICAL PROPERTIES

### Integra SSAHS Gasket

Gasket Installed Thickness:	0.125" (3.2mm)
Dielectric Strength (ASTM D149):	406 V/mil (16 kV/mm)
Nitrogen Sealability (ASTM F37):	0.02 mL/hr
Compressibility (ASTM F36):	8 - 16%
Recovery (ASTM F36):	40%
Seal Temperature Range:	-350°F to 520°F (-212°C to 271°C)

### Isolation Sleeves

Standard Materials:	G10, G11, Mylar, Nomex
Other Materials Available Upon Request	

### Isolation Washers

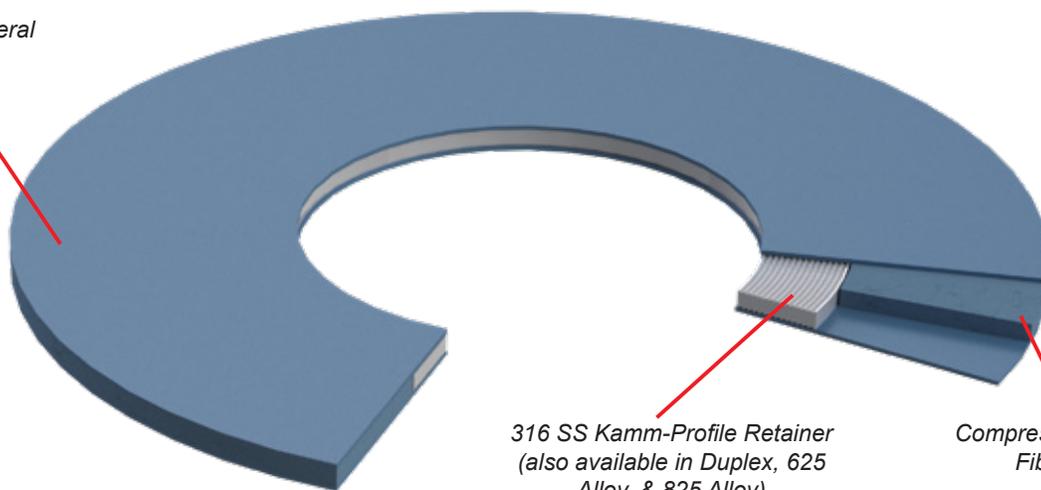
Standard Materials:	G10, G11, G7
Other Materials Available Upon Request	

## COMPONENTS

### Each Integra SSAHS Gasket Isolation Kit Includes:

- Integra SSAHS Isolation Gasket Qty. 1
- Stainless Steel Backing Washers Qty. 2 per flange bolt
- Isolating Washers Qty. 2 per flange bolt
- Isolating Sleeves Qty. 1 per flange bolt

Dielectric Mineral Seal



316 SS Kamm-Profile Retainer  
(also available in Duplex, 625 Alloy, & 825 Alloy)

Compressed, Non-Asbestos  
Fiber Outer Ring

## HOW TO ORDER

1. Flange Specification  
(ANSI/ASME, API, MSS SP44, BSI or Din Standard)
2. Nominal Pipe Size, Pressure Rating and Bore Size
3. Operating Pressure, Temperature and Media



REV 103118