

STEP-KO
PRODUCTS

PROTECTING ASSETS FROM THE ENVIRONMENT



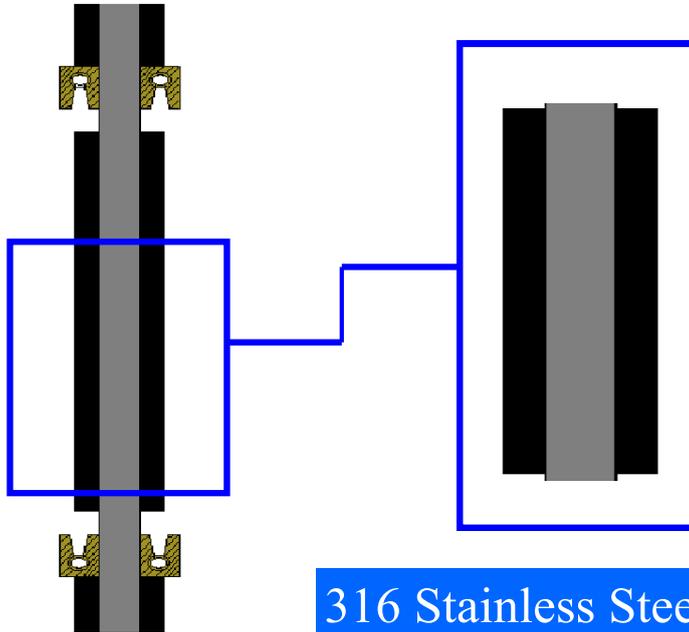
ASSUREASEALSSC

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CRITICAL SERVICE SEALING GASKETS

The Assureaseal™ SSC is designed for Severe Service Applications. The Gasket is suitable for sealing pipeline flanges with flow media of Hydrocarbon based media like gas, natural gas & oil. This Gasket Material can also withstand most low concentrations of chemical based media with a temperature range of (Min-200°F) to (Max 350°F/180°C).

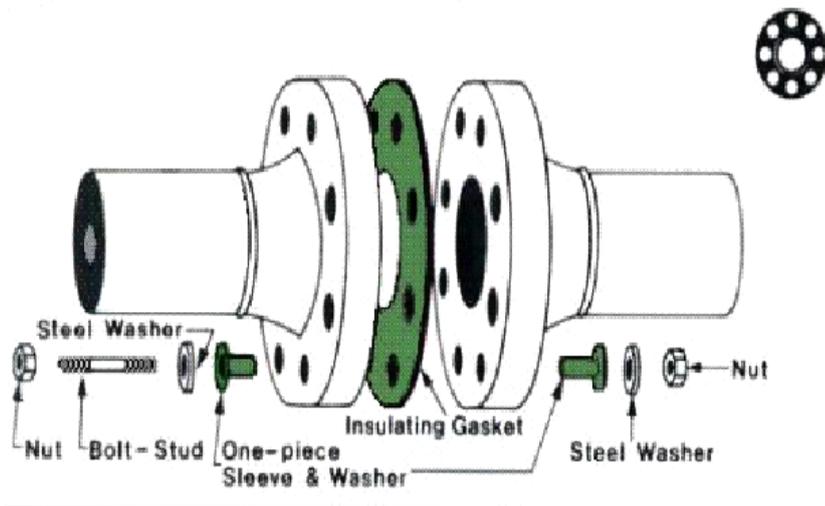
The Step-Ko Assureaseal™ SSC gasket is manufactured from a GRE Epoxy Glass Laminate, that is permanently fused to a 316 Stainless Steel Core. This material offers high compression strength for positive sealing ability in a harsh environment, while maintaining its electrical isolation. This severe service gasket incorporates a Spring Energized Teflon Seal. The Assureaseal™ SSC is suitable in all services including ANSI 2500# thru API 10,000# classes. The Gasket can be purchased alone for standard service gaskets, or as a complete kit which includes Isolation Sleeve's, Washers, & steel backup washers



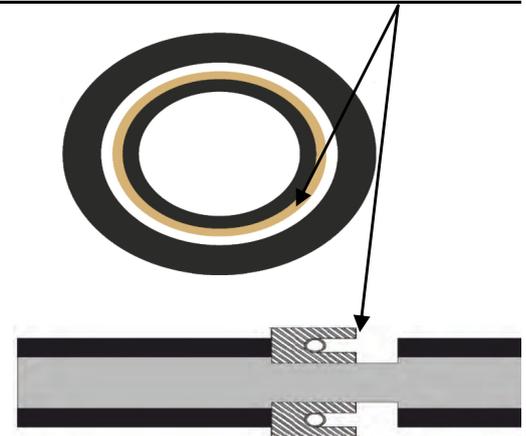
316 Stainless Steel Core

The Assureaseal™ SSC also requires less bolt stress to seal the Teflon Spring Energized seal element.

ASSUREASEAL SSC GASKET



TEFLON SPRING ENERGIZED SEAL



FEATURES

- High Strength laminate material resists failure due to excessive compression from over-torquing
- Stops galvanic corrosion in dissimilar metal flanges
- Perfect for mating mismatched RTJ with raise-faced flanges
- Pressure energized seals provide extreme confidence in sealing, preventing costly leaks
- Managing severe service conditions including flange vibration, temperature & pressure fluctuations
- Seals and isolates all pressure ratings through ANSI 2500 class and API 15,000

***Step-Ko's Flange Isolation Gasket kits are manufactured according to the AMPP (NACE) SP0286-2007 Standard to meet customer requirements to fit flange dimensions of ANSI, AWWA, MSS SP-44, B.S. 10, DIN2633, etc.**

APPLICATIONS

- Severe Service Applications
- H₂S Service
- High Pressure Flanges
- Mating dissimilar flange faces (SSC can seal Raised faced, Flat face, slip on flanges & ring joint)
- Isolation between dissimilar metals to prevent galvanic corrosion
- Eliminates the worry of sealing Flanges where there is severe vibration/cavitations
- Cathodic protection in conjunction with total flange isolation

ASTM	TEST METHOD	RETAINER MATERIAL
D149	DIELECTRIC STRENGTH VOLTS PER MIL	800
D695	COMPRESSIVE STRENGTH (psi)	65,000
D570	WATER ABSORPTION (%)	0.05
D790	FLEXURAL STRENGTH (psi)	45,000
D256	IMPACT STRENGTH (ft-lbs/ inch)	14.00/12.00
D638	TENSILE STRENGTH (psi)	45,000
D732	SHEAR STRENGTH (psi)	22,000
D952	BOND STRENGTH (lbs)	2,600
	TEMPERATURE OPERATING	CRYOGENIC TO +385°F (185°C)

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HOW TO ORDER

1. Specify flange size and pressure rating.
2. Specify gasket type: E or F.
3. Specify single washer or double washer set if it is used in a Gasket Kit.
4. Consult factory for specials.

OTHER PRODUCTS..

By Step-Ko

- Flange Protectors
- Nut & Bolt Protectors
- Heat Shrink Sleeves & Tapes
- Solutions For Sealing Pipelines From Corrosion
- Pipeline Pigs
- Pipeline Markers and Test Stations
- Insulated Enclosures/Buildings
- Anodes

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