

### Flange Protection System



#### FLANGE COVER CONSTRUCTION

- Easy Fill Port Holes
- Extremely Durable 316 Stainless Steel Band
- Stainless Steel Worm Clamps for Easy Fastening
- Closed Cell Sealing Element for Excellent Tight
  Fit
- No Special Tools Required
- Higher Temperature Sealing Elements Available



#### DESCRIPTION

The Step-Ko Products flange protector covers are used in the protection of flange faces (raised face or Ring joint type), stud bolts, and gaskets from the elements of corrosion. The Step-Ko flange protector covers are available in 316ss stainless steel as well as Non-Metallic (plastic). Both materials come with the closed cell rubber liner for sealing protection. The Step-Ko protector covers are currently manufactured in sizes for 1/2" to 144" diameter in ANSI, API, and AWWA flanged connections. The Step-Ko flange covers systems coupled with the STOPAQ or SK-111 flange fillers have been used in the protection of flanged connections for many years with much success in harsh conditions.





### FLANGE FILLER SYSTEM

#### Temps Up To 400° F

The Step-Ko SK-11 high temperature corrosion preventative flange filler is designed to protect flange connections from corrosion in high temperatures up to 400 degrees Fahrenheit. The SK-111 is a non-electrolytic approach in the way of a silicone gel to corrosion protection of steel flanges, bolts,

pipes, and structures.

#### **PROPERTIES**

- Excellent bonding to steel, FBE, PU, PE
- High specific electric resistance
- Weather/salt resistant
- Temperatures range from -50° F to 400°F
- Fills the complete space
- Removable/Re-usable
- No heavy surface preparation to the flange connection is required prior to application.

## Nut/Bolt Protection Covers

Step-Ko Products offers Polyethylene nut covers to protect the exposed bolt and nut portion of the flange connection from the elements that cause corrosion. These covers are designed to fit tight against the nut therefore protecting from costly repairs or replacements from having to cut stud bolts off. These caps have been used from the protection of bridge and tunnel bolting, to the harsh environments of offshore platforms and refinery/chemical plant applications. By choosing to protect steel stud bolts and nuts early, the nut protector will help in costly bolt replacements in the future. This is preventative maintenance at its best.

\*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.



For threaded connections without washer



Different heights for larger bolt ends or locking nuts

<sup>\*</sup> Ease of injection using the manual or pneumatic guns with the flexible nozzle. This gives assurance that the annulus is completely filled prior to sealing with the Flange Protector.

# PROTECTING ASSETS FROM THE **ENVIRONMENT**



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