

STEP-KO
PRODUCTS

Protecting Assets From the Environment



ASSUREASEAL SSCFS

FIRE SAFE ISOLATION KITS

Phone: 337-837-4141

www.stepko.com

ASSUREASEAL SSCFS FIRE SAFE KITS

OVERVIEW

The Step-Ko SSCFS (Fire-Safe) gasket enhances the typical SSC design by incorporating a secondary sealing element that effectively maintains its seal even in temperatures reaching 1500°F (815°C) during a fire. This fire-resistant gasket provides a reliable sealing performance in harsh conditions and successfully meets the requirements of the API 6FB, 3rd Edition fire test.

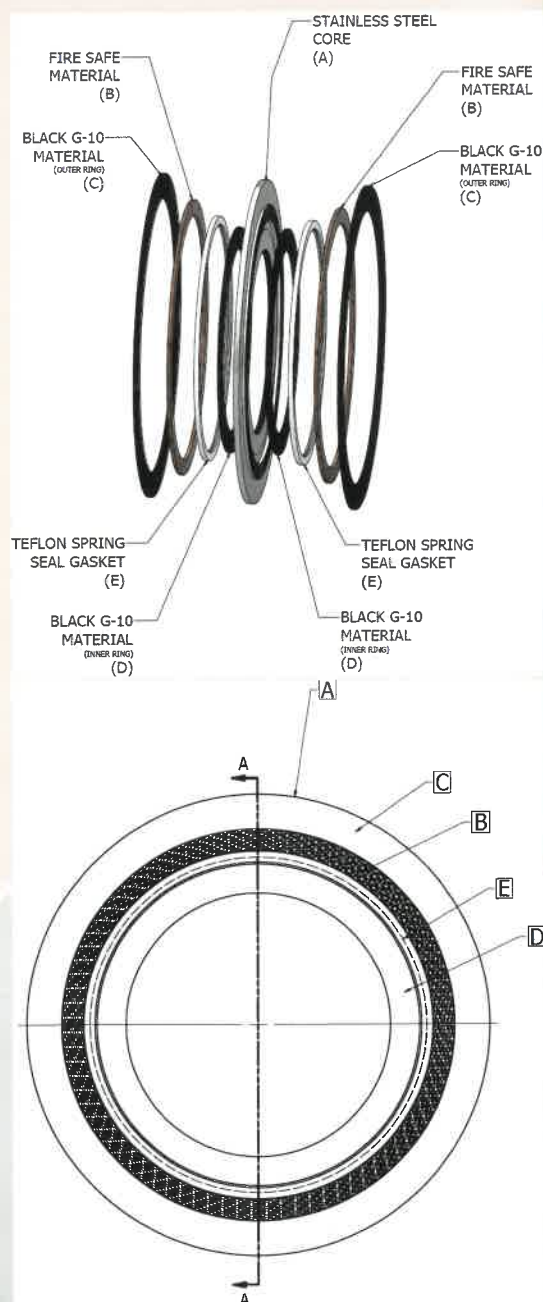
FEATURES

- With its innovative pressure-activated sealing mechanism, this heat-resistant gasket significantly reduces the necessary bolt stress for an effective seal compared to other types.
- The engineered secondary ring provides a reliable secondary seal during regular operation and transforms into the primary sealing solution in the event of a fire.

Each SSCFS kit comes packaged with:

- SSCFS Gasket
- Hardened Coated Steel washers
- G10 Bolt Sleeves

Please take note: The designation "FS" or "Fire Safe" indicates that this gasket has successfully completed the API 6FB fire test. However, since every fire scenario is distinct and influenced by numerous uncontrollable factors, no further assertions about its effectiveness or performance in a fire are made. It is essential for each designer, user, and/or operator to evaluate their unique circumstances before determining whether to install FS-type gaskets.



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ADDITIONAL FEATURES

- An isolating and sealing gasket, SSCFS Type "F", comes with a 316 stainless steel core retainer that is laminated on both surfaces with a G-10 fiberglass reinforced composite.
- It has a precisely tapered groove designed for the controlled compression of a PTFE spring-energized seal.
- A second groove houses a carbon steel backup ring featuring a specialized isolating coating.

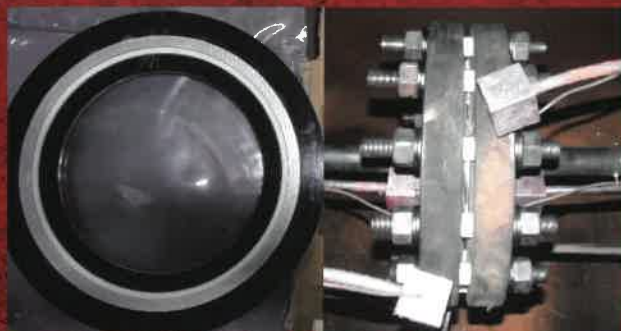
FIRE TEST RESULTS

Burn and Cool Down Test

Burn Start Time:	9:45:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	566	psig
Leak Rate During Burn/Cool Down:	2.4	ml/min
Allowable External Leak Rate:	24.2	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	18.0	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

Depressurization - Repressurization Test

Average Pressure During Test:	549	psig
Gasket Leak Rate:	0.6	ml/min
Allowable External Leak Rate:	24.2	ml/min
Was the Leakage Below the Allowable?	Yes	
Does the Gasket Pass or Fail API 6FB?	PASS	



BEFORE TEST BURNING



DURING/AFTER TEST BURNING

OTHER PRODUCTS

- FLANGE ISOLATION GASKET KITS
 - FLANGE PROTECTORS
 - NUT & BOLT PROTECTORS
 - INSULATION JACKETS
 - PIPELINE MARKERS
 - COATED U-BOLTS

HOURS OF OPERATION

Monday	7:30am - 4:30pm
Tuesday	7:30am - 4:30pm
Wednesday	7:30am - 4:30pm
Thursday	7:30am - 4:30pm
Friday	7:30am - 4:30pm
Saturday	Closed
Sunday	Closed

**READY TO SERVE YOU AT
A MOMENT'S NOTICE!**

337-837-4141

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