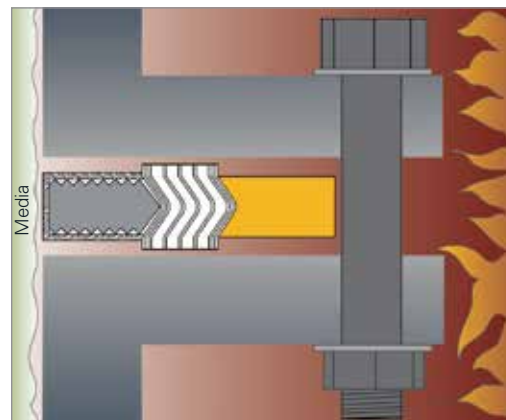


# TANDEM SEAL™ Spiral Wound Gasket

Chemically resistant PTFE and fire safety in one gasket

The TANDEM SEAL™ Spiral Wound Gasket is designed to provide chemical resistance and fire safety in a single gasket. It seals to the bore of the flange in order to limit crevice corrosion inherent in hydrofluoric and sulfuric acid alkylation processes. Additionally, the design reduces erosion and bacterial contamination compared to standard spiral wound gaskets, which do not cover the flange face near the I.D.



## ADVANTAGES

- » Suitable for corrosive and flammable media
- » Fire Safe
- » Chemical resistance of PTFE (envelope design)
- » No metal contact with the media (envelope design)
- » Withstands high pressure
- » Available from 150# to 2500#



Patent Product (Patent 5,511,797)

## TANDEM™ SEAL VS. SPIRAL WOUND

4" - 150# raised face flange



The Garlock TANDEM SEAL™ is manufactured to match the bore of the flange/pipe schedule.



TANDEM SEAL™ view from inside the flange.



Spiral wound gaskets with inner rings are set back slightly from the I.D. exposing the flange faces to the media stream.

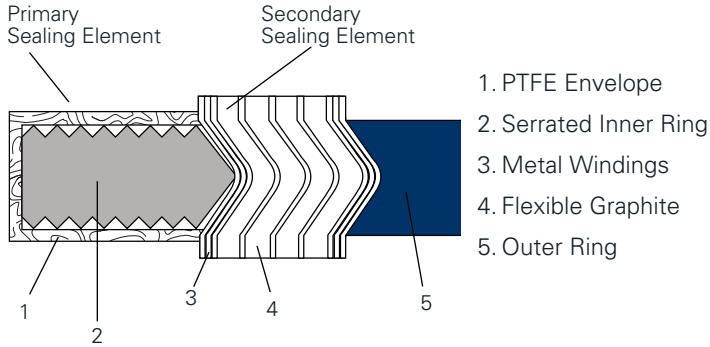


Spiral wound gasket view from inside the flange (note the gap).

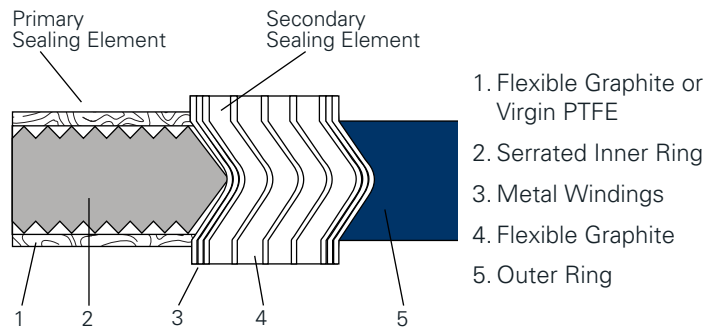
# TANDEM SEAL™ Spiral Wound Gasket Materials of Construction

For aggressive applications when sealability and fire safety are critical

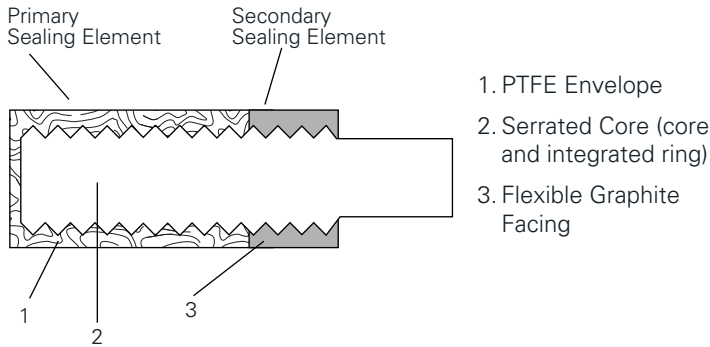
## TANDEM DESIGN (ENVELOPE)



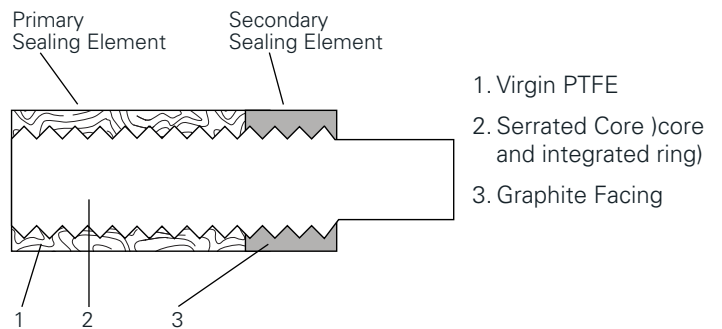
## ALTERNATIVE TANDEM DESIGN (FACING)



## TAN-KAMM DESIGN (ENVELOPE) SMALLER THAN 2" NPS



## ALTERNATIVE TAN-KAMM DESIGN (FACING) SMALLER THAN 2" NPS



The TANDEM SEAL™ family of gaskets can be manufactured utilizing the vast array of commercially available materials for the inner ring, winding and outer ring. Our applications Engineering team is available to discuss media compatible materials.

GMG 1:3\_12.2017

### GARLOCK

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