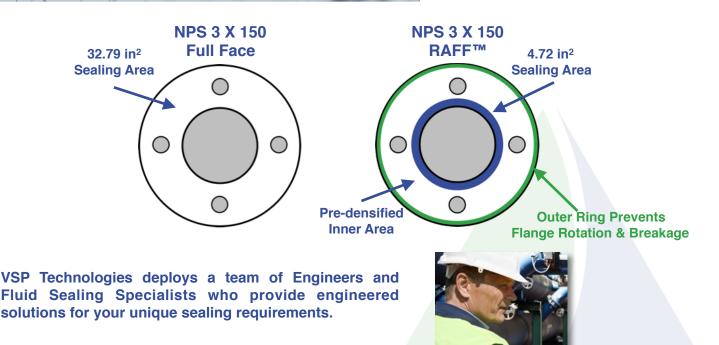


8140 Quality Drive Prince George, VA 23875 800-334-6013 vsptechnologies.com **RAFFTM** Reduced Area Full Face Gaskets for Light Load Flanges

Only 100% PTFE Gasket Designed for FRP, API Manways and other Light-Load Flanges

VSP RAFF™ Gasket **Reduced Area Full Face** Rigid, solid one-piece ePTFE construction Lowest torque to seal PTFE gasket design available ۲ Full face design to safeguard against flange breakage Sealing ring area designed to achieve full Made With compression with available bolt load Inner & outer sealing rings are mechanically \mathbf{DR} engineered to compress to the correct gasket height to prevent flange rotation & cracking • Lower relaxation and torgue loss compared to current alternatives for FRP, API Manways, and other Light-*U.S. Patent # 6,682,081 Load flanges



Prince George, VA

Kingsport, TN | Houston, TX | Parkersburg, WV | Lake Charles, LA | Baton Rouge, LA



Innovate Service Perform

8140 Quality Drive Prince George, VA 23875 800-334-6013 vsptechnologies.com

RAFFTM Reduced Area Full Face Gaskets for Light Load Flanges



43" ID RAFF™ for Dual Laminate FRP Process Vessel Required Only 44 Ft-Lb Assembly Torque

	R	AFF™ Flan		SP chnologie mbly Ins		
Class 150 NPS	Target Assembly Torque (Ft-Lb)	Preparation	Star Pattern Assembly			Final Rotational Passes Until No Further Nut
			1st Pass	2nd Pass	3rd Pass	Movement
2	25	Finger Tight	10	15	25	25
2-1/2	25	Finger Tight	10	15	25	25
3	30	Finger Tight	10	15	30	30
4	25	Finger Tight	10	15	25	25
6	40	Finger Tight	10	25	40	40
8	50	Finger Tight	10	30	50	50
10	60	Finger Tight	10	30	60	60
12	75	Finger Tight	15	40	75	75
Torque lub	pricated bolts, in a star p		y Torque S n (3) successi	•	as shown abov	ve. After the 3rd pass, continue

©Copyright 2013 - 2015 VSP Technologies

Standard Flange Assembly Instructions



Prince George, VA

Kingsport, TN | Houston, TX | Parkersburg, WV | Lake Charles, LA | Baton Rouge, LA

© VSP Technologies 2013 - 2015 RAFF™ and OPRA™ are Trademarks of VSP Technologies