



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

Brewery Fluid Sealing Program Flavor-Critical Applications



VSP Technologies deploys a team of Engineers and Fluid Sealing Specialists who provide engineered solutions for your unique sealing requirements.



Prince George, VA | Kingsport, TN | Houston, TX | Parkersburg, WV | Lake Charles, LA

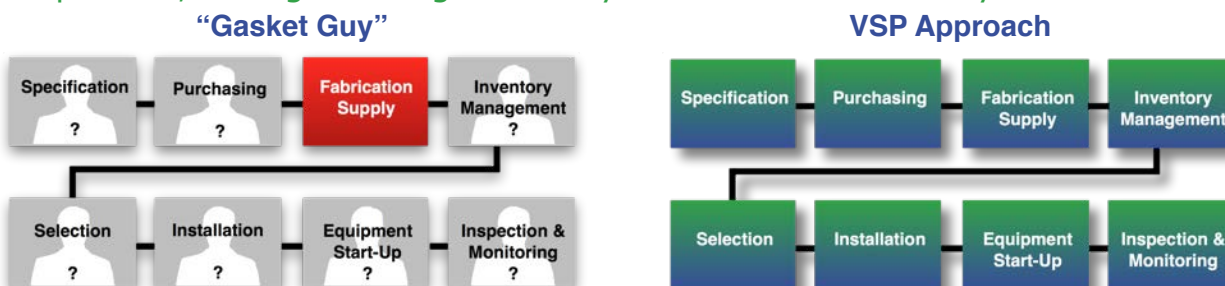
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Brewery Fluid Sealing Program

Total Process Engineering

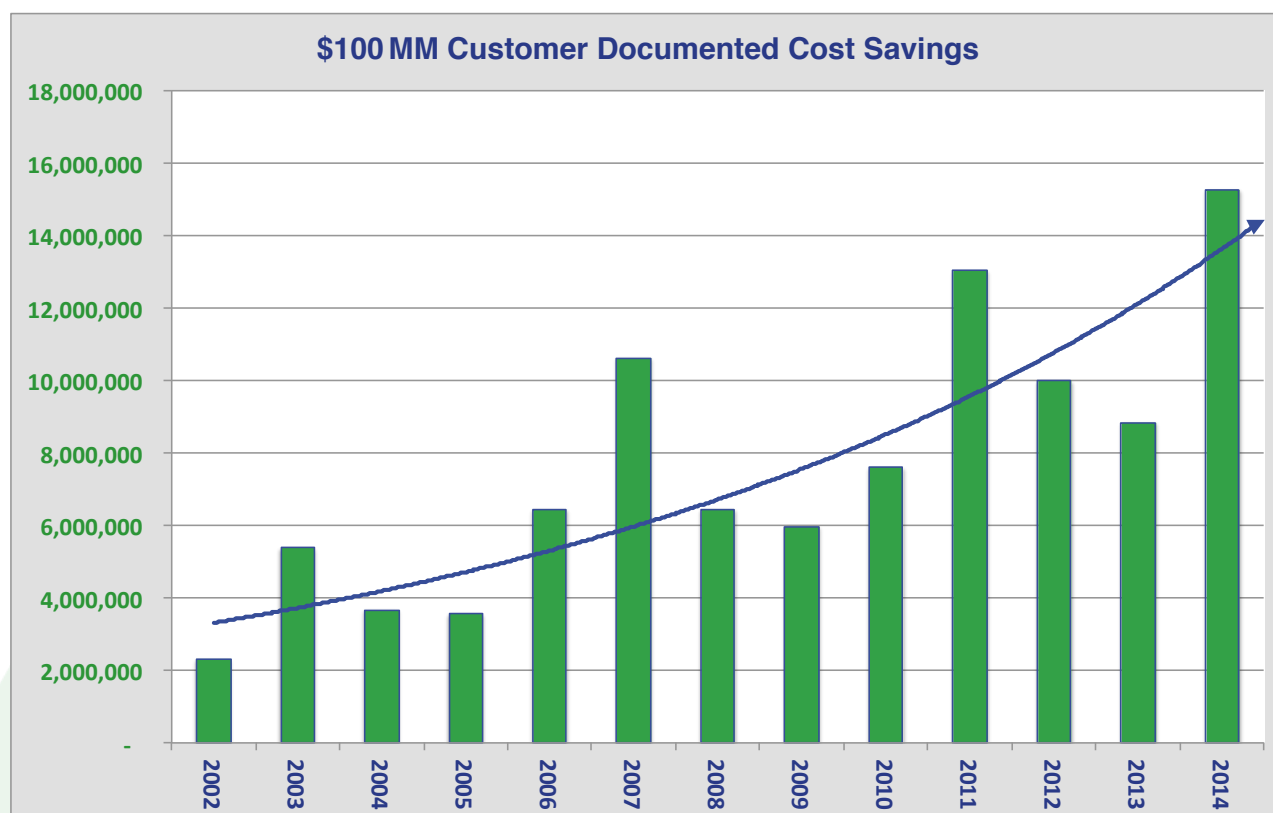
Gaskets don't fail—the gasket-use process fails.

Everyone has a “gasket guy,” but most gasket suppliers only impact one small part of the process, asking “what gasket do you want and how many.”



At VSP Technologies, we're involved in the gasket use process from start to finish by asking “what are you trying to seal.” This and follow up questions allow us to ensure that the entire process is optimized. Making sure that the right gasket is supplied while providing the best value for your specific needs.

Our Gasket Management Program is based on Six Sigma Methodology for best practices in the fluid-sealing process.



We help customers manage parts of the process that are currently not addressed, improving efficiency and saving time and money - **over \$100,000,000** since 2002.

Beer Contact Materials Flavor-Critical Applications

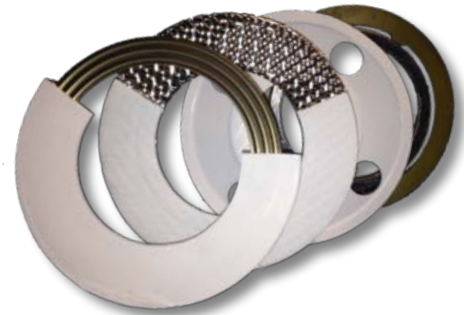
Hundreds of Sheet Styles Available

Garlock
SEALING TECHNOLOGIES®



PTFE Based Engineered Gaskets

- PITA® - Thermal Cycling
- LoadLock™ Blow-out Resistance
- LTC-ENR™ for FRP & Glass Lined Pipe

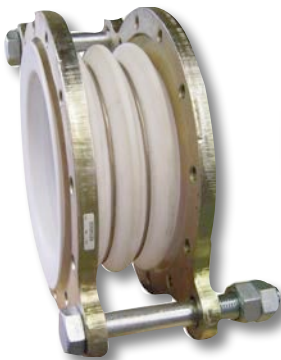


Inertex

TEADIT®

Expansion Joints

PTFE, Stainless Steel & Rubber



**FDA
White Listed Ingredients
for Food & Beverage
Applications**

Flange Assembly Kits



Chip Tank Manway Gaskets



Sanitary Gaskets



- Garlock is a registered trademark and subsidiary of EnPro
- GORE and designs are registered trademarks of W. L. Gore & Associates

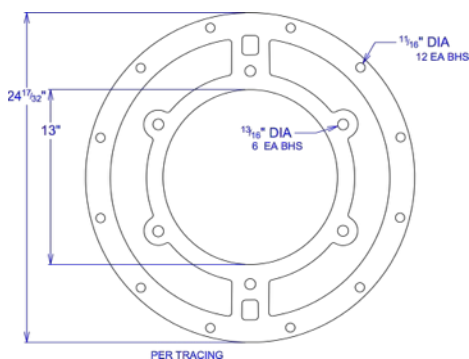
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- Teadit is a registered trademark of Teadit International



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Virtek Laser QC optical scanning system allows for accurate reverse engineering of OEM gaskets.



Full CAD Department will create drawings to produce the gaskets correctly every time. Drawings are supplied the client.



CAD controlled cutting allows VSP to produce gaskets with tolerances to ± 0.010 ".



Robbie Riggs - Director Industrial Sales
Anheuser Busch Supplier of the Year Award

Consolidated Gasket Materials, Services & Applications Guide				
Gasket Sample	Typical Applications	Name / Trade Name	General Service Guidelines	Maximum Use Temperature
	General service industrial flanges, water storage covers, PVC pipe flanges, with pipe flanges, flanges with irregular/rough surfaces	Red Rubber	Air, Water	175 °F
	Steam gaskets for pump housings, coupling gaskets (horizontally and vertically split), bearing housing gaskets	Vegetable Fiber	Water, Air, Oils	200 °F
	Large diameter butterfly valve flanges, steel oil pump flanges, boiler gaskets, with pipe flanges, flanges with irregular/rough surfaces, daymags, railroads	Nylon Reinforced Neoprene	Oils, Refrigerants, Ammonia	200 °F
	Hydraulic oil reservoir covers, turbine oil reservoir covers, fuel oil strainer covers, oil pipe flanges, gaskets, covers and connections	Garlock Leak-Gard™ 3750	Oils	250 °F
	General service water/steam pipe flanges, condensate pipe flanges, connections, flange connections, pipe, flange, radiator connections	Thermostat C-4401	Air, Condensate, Water, Oils	250 °F
	Electric hydraulic fluid (EHF) reservoir covers, EHF connections, acid system flanges	VITON®		
	Condenser cooling down, bottom with doors, generator insulation doors, valve inspection covers, bearing cooling water heat exchanger covers, irregular/rough surfaces	Inertex UH Joint Seal		
	Generators terminal plates & high voltage bushings, oil and radiator tank manholes/handhole covers, acid and caustic system flanges	Inertex SO Expanded P Sheet		
	High temperature service, high temperature flanges, heat exchanger tank partition plates, flangeing oil reactor connections/flanges	Hochdruck Flexible Gra		
	Piping system raised face flanges	304FG VSP AB-32		

Flange Assembly Procedure

1. Lubricate bolt threads and nut faces and tighten all nuts finger tight
2. Select the Target Assembly Torque for the flange type/metalurgy and operating temperature
3. Torque/tighten in a star pattern sequence as indicated below in (5) successive (increasing) increments to the Target Assembly Torque
4. After the 5th pass, continue tightening the bolts in a circular pattern at the Target Assembly Torque until no further nut movement occurs



Fastener Markings



Custom Gasket Boards as selection tools and pocket assembly cards supplied to customers to ensure proper installation.

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