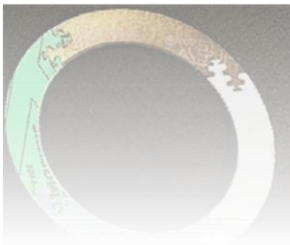
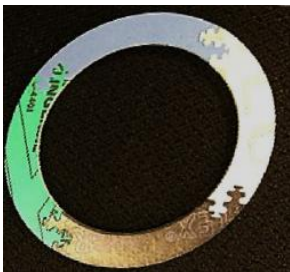


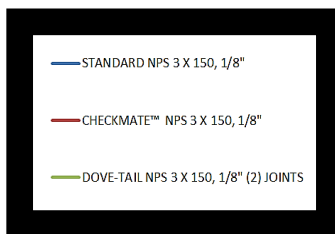
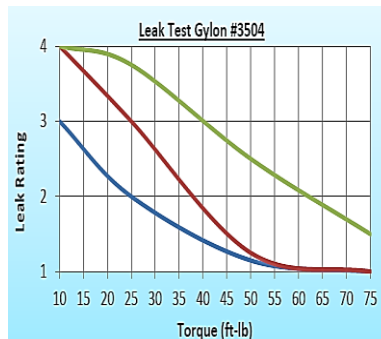
VSP INTRODUCES CHECKMATE™ JOINTED GASKET TECHNOLOGY

CHECKMATE™ jointed gasket technology is engineered and fabricated using close tolerance, CAD operated Flow Jet Mach 2 fabrication equipment.



The unique CHECKMATE™ jointing technology replaces antiquated, leaky “dove-Tail” designs for sectioned gaskets. The CHECKMATE™ design creates a tight, torturous leak

path and is virtually invisible after compression. The sealing characteristics for this jointed design are very close to that of standard, one piece gaskets for all materials tested. In-house testing showed zero leakage with CHECKMATE™ jointed gaskets at the recommended assembly torque levels for one-piece gaskets.



Both the one-piece standard ring gasket & the CHECKMATE™ jointed gasket seal at 60 FT-LB, while the traditional dove-tailed gasket still did not seal at 75 FT-LB

DID YOU KNOW?

Did you know that VSP started here in 1979?



108 S. Randolph Street
Hopewell, Virginia
2,500 Ft²

VSP moved here in 1983,



7520 Harvest Rd.
Prince George, Virginia
20,000 Ft²

More growth for VSP in 2008,



8140 Quality Drive
Prince George, Virginia
110,000 Ft²

Additional Manufacturing Sites:
Kingsport, TN
Kingwood, TX

VSP's DAN REID ELECTED AS THE ASME B16 SUB-COMMITTEE G CHAIRMAN

Dan Reid, Transportation Division Technical Director for VSP, has been actively involved in ASME B16 Subcommittee G for over 17 years. His acknowledged expertise, coupled with the respect he has earned from his committee peers, recently resulted in his election as Chairman of this subcommittee. ASME B16 Committee manages the standards for valves, flanges, fittings and gaskets. Sub-Committee G, a sub-group

of this main committee, oversees the standards relating to gaskets for B16 Flanged Fittings; specifically standards B16.20 metallic gaskets and B16.21 nonmetallic gaskets.

After nine years in the U.S. Navy Dan accepted an Engineering Manager's position with Garlock Sealing Technologies (Metallic Gasket Division) in Houston, TX. He worked for ten years with Garlock before joining VSP (2005) as the Transportation

Business Technical Director.

Dan's knowledge and experience makes him highly qualified to lead and support our customers in the selection and use of the best materials and designs to achieve their fluid sealing needs.



Dan Reid

IF NECESSITY IS THE MOTHER OF INVENTION, THEN ENGINEERING IS IT'S FATHER

Recently a customer presented VSP with a difficult sealing challenge that was creating significant maintenance costs and production downtime. To resolve these issues, a gasket solution was required that would seal on a badly rotated NPS 10 x 300 flat face flange with low available bolt load. Additionally, because of unique application & process parameters, this gasket must also provide:

- Fire resistance
- Enhanced blowout resistance
- High maintained purity
- Effective, tight sealing on un-machined, rotated (bent) flanges

VSP took on this challenge by developing a completely unique gasket that would not only address these issues, but also seal at much lower bolt torque. After a short developmental period, VSP had identified and manufactured a gasket solution and was ready to conduct field trials. Ironically, during its first field trial, the worst possible test conditions developed when a fire occurred internal to the column. The graphite fire barrier performed as designed and the gasket held the internal condition with zero contamination of the product stream. The gasket remained in the column for the entire four week production run, and was then removed and inspected. The customer declared the test a success and has been using "The Fire Barrier PITA® Gasket" since. The customer identified \$340,000 in maintenance and production savings during this first application alone, and estimated long term savings using the Fire Barrier PITA® gasket of several million dollars per year.



VSP's
Fire Barrier
PITA® Gasket
after a
four week
production run.

VSP Manufacturing/Engineering Locations

Prince George, VA
Kingsport, TN
Kingwood, TX

VSP Satellite Engineering Locations

Dover, DE
Wilmington, NC
Baton Rouge, LA