



RealSeal[®] Option

Are you looking for the most effective seal possible when running pigs through your pipeline?

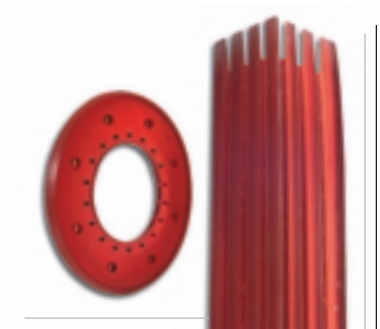
T.D. Williamson, Inc. offers just the product. TDW's multi-lip RealSeal[®] cups and discs are designed to provide the most effective sealing surface of any cups on the market. Whether it's a nitrogen purge, commissioning or filling and dewatering for hydrostatic testing, TDW pigs equipped with RealSeal cups and discs will save you time and money on the job.

Features & Benefits

The RealSeal option features multiple sealing lips, which means a more effective seal through the pipeline run. Girth welds in the pipeline allow for multiple leak paths. Using TDW's RealSeal cups and discs seals these leak paths where conventional cups and discs do not. Available in Vantage[®] cups, Heavy Duty cups and ULTRA[™] Multi-Lip discs, the RealSeal option allows for flexibility in design of pigs. A TDW representative can assist you in choosing the right configuration.



Heavy Duty RealSeal[®] cups can be used on WCK, SBN, LBN and PitBoss[™] pigs.



ULTRA[™] RealSeal[®] birectional discs can be used on ULTRA and Vantage[®] pigs.

Vantage[®] RealSeal[®] cups can be used with Vantage line of cleaning pigs.



T.D. Williamson, Inc.

What are our customers saying?

"A pig with RealSeal cups was used during a nitrogen purge on our 20-inch products line. Normally, a vacuum truck is used to pump out remaining liquids that are not removed by the pig. However, there were no liquids left in the line. The line was dry! In the future, the RealSeal cups are the only cups I would use for this application."

"The RealSeal cups were so effective that almost no hydrocarbons were left in our 8-inch propane line after running nitrogen behind the pig. The pig was just as effective when used to purge the nitrogen during recommissioning. The pig was superior to any pigs we've used in the past."

"A 12-inch OptionAll™ pig with RealSeal cups was used to fill (commission) a 12-inch by 70 mile line with fuel oil. The pig did a perfect job of sealing and the cups looked like new after the run. We will use the RealSeal cups on all similar applications in the future."

"Excellent product! The pigs surpassed expectations."

"The pigs with RealSeal cups do a better job of removing liquids and black powder, from our 16-, 20- and 24-inch gas pipelines. We also get more miles out of a set of cups."

"The RealSeal cups pay for themselves by reducing interface contamination in our 30-inch crude oil line by a factor of 6 to 1 versus standard cups."

"The TDW pig with RealSeal cups is very effective in removing condensates and has run approximately 2,000 miles in our 30-inch offshore natural gas line with very little noticeable wear on the cups."

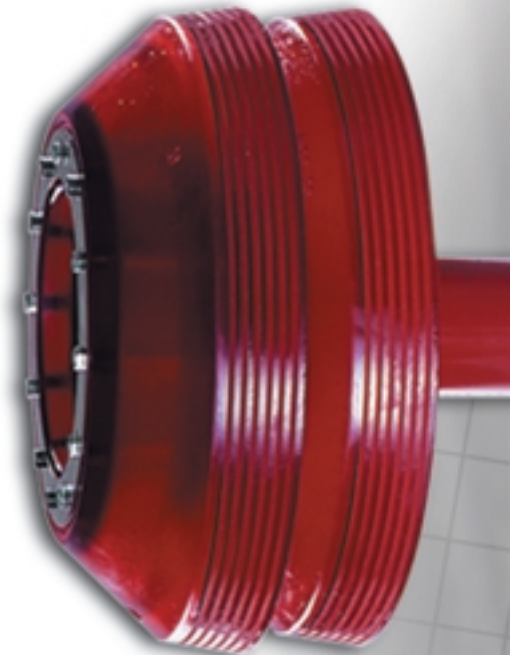
Typical applications for the RealSeal® options include:

- Nitrogen purges
- Line filling for hydrostatic testing
- Dewatering after hydrostatic testing
- Commissioning
- Decommissioning
- Conversion of pipeline from one product to a different product
- Removal of water or other liquids from low points in pipeline
- Batch separation
- Cleaning

U.S. pat. no. 6067682
European pat. no. 1011881
Australian pat. no. 740201
Patents pending in other countries.

For more information, visit our Web site at www.tdwilliamson.com or

call 918-447-5400 or 800-571-7447.



RealSeal® cups feature multiple sealing lips which ensure an effective seal as the pig moves through the pipeline.



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