CODE "T"

Teflon® *Pressure-Core*™ Stem Seal Bonnet and Packing Design

.125" 136" .187" .250" .375" ORIFICE

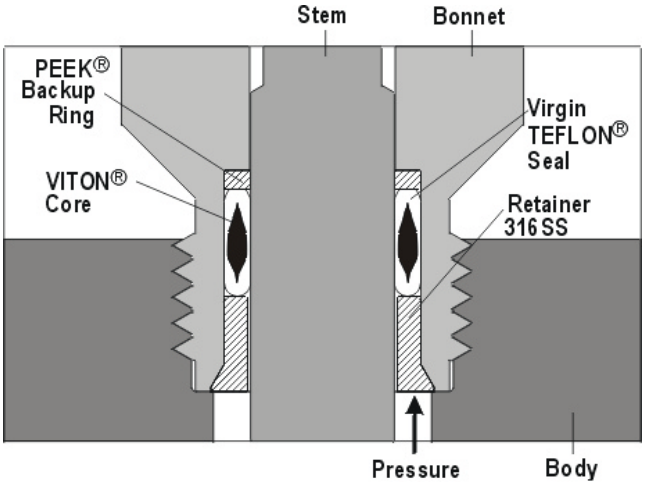
Pressure-Core™ Stem Seal

Compared to competitive valve designs, PGI's *Pressure-Core*™ Seal offers leak-free performance with no maintenance requirements. To support this claim, we tested the *Pressure-Core*™ Seal against the leading manufacturer's design. The tests simulated harsh plant operating environments and were performed by an independent laboratory in accordance with EPA Method 21.

How We Do It!

The *Pressure-Core*™ Seal consists of an outer Teflon® shell with an elliptical shaped Viton® O-ring core. The encapsulated core is "live-loaded" and provides constant outward pressure against the Teflon® shell, which flexes under pressure like an O-ring. The Teflon® shell offers the desired chemical resistance without periodic gland tightening as in conventional designs.

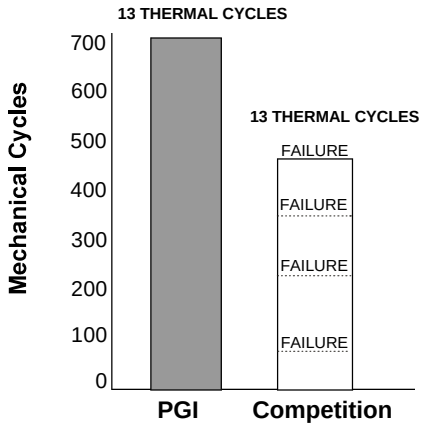
Our test results indicate that you can have a reliable, affordable and virtually leak-free valve requiring no costly, time-consuming maintenance. We stand behind our claim with a **five year warranty**, far exceeding the industry standard.



P A T E N T E D

5 year warranty

FUGITIVE EMISSIONS TEST RESULTS



See for yourself how our Pressure-Core Seal not only outperforms the leading manufacturer's design, but sets a new industry standard.

TEST PROCEDURE

Valves mechanically cycled 50 times (full open to full close) at 1,000 PSI methane, then heated to 400° F and air cooled to ambient. Procedure repeated until failure.

FAILURE CRITERIA

100 PPM Leak
(Competitor's Emission Seal Warranty)

TEST RESULTS

PGI: The Pressure-Core Seal successfully completed **694** mechanical cycles and **15** thermal cycles. Maximum leakage throughout testing was **40** PPM.

Competition: The leading manufacturer's "low emissions" graphite design failed on the **89th** mechanical cycle and on average every **125** cycles throughout the testing. Repeated maintenance was required between each failure to readjust the valve packing.