

API Standard 622 Test Report

“Type Testing of Process Valve
Packing for Fugitive Emissions”
Second Edition, 2011

Performed for

PBM, Inc.

<http://www.pbmvalve.com>



1/2" Valve Stem Assembly
Product Code: SK-P001

Project Number: 213034
Test Start Date: January 25, 2013



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

434 Walnut Hill Road
North Yarmouth, ME 04097 USA
(207) 829-5359

info@yarmouthresearch.com

www.yarmouthresearch.com

Yarmouth Research and Technology, LLC

API 622 PROJECT SUMMARY

Customer: PBM, Inc.

Start Date: 25-Jan-13

Project #: 213034

Fixture Information

Test Fixture: 1/2" valve stem assembly

Product Code: SK-P001

Source of Sample: Customer

Packing Description: Garlock Style 1303 FEP; SK-001 - (2) pieces

Test Conditions

Specification: API 622, 2nd Edition, 2011

Test Media: 99% Methane

Test Pressure: 600 psig at ambient temperature

Test Pressure: 600 psig at 500 deg F.

Cycling Rate: 15 seconds per cycle

Cycle Stroke: 1/4 turn

Recommended Packing Nut Torque: 84-96 in-lbs

Maximum Allowable Leakage: 100 PPM_v

Results

Number of Mechanical Cycles Completed: 1510

Number of Thermal Cycles Completed: 5

Number of Packing Adjustments Required: 0

Cycle Number(s) of Packing Adjustments:

Average Leakage Throughout Test: 6 PPM_v

Maximum Leakage Throughout Test: 31 PPM_v

Witness



Matthew J Wasielewski, PE

President, Yarmouth Research

