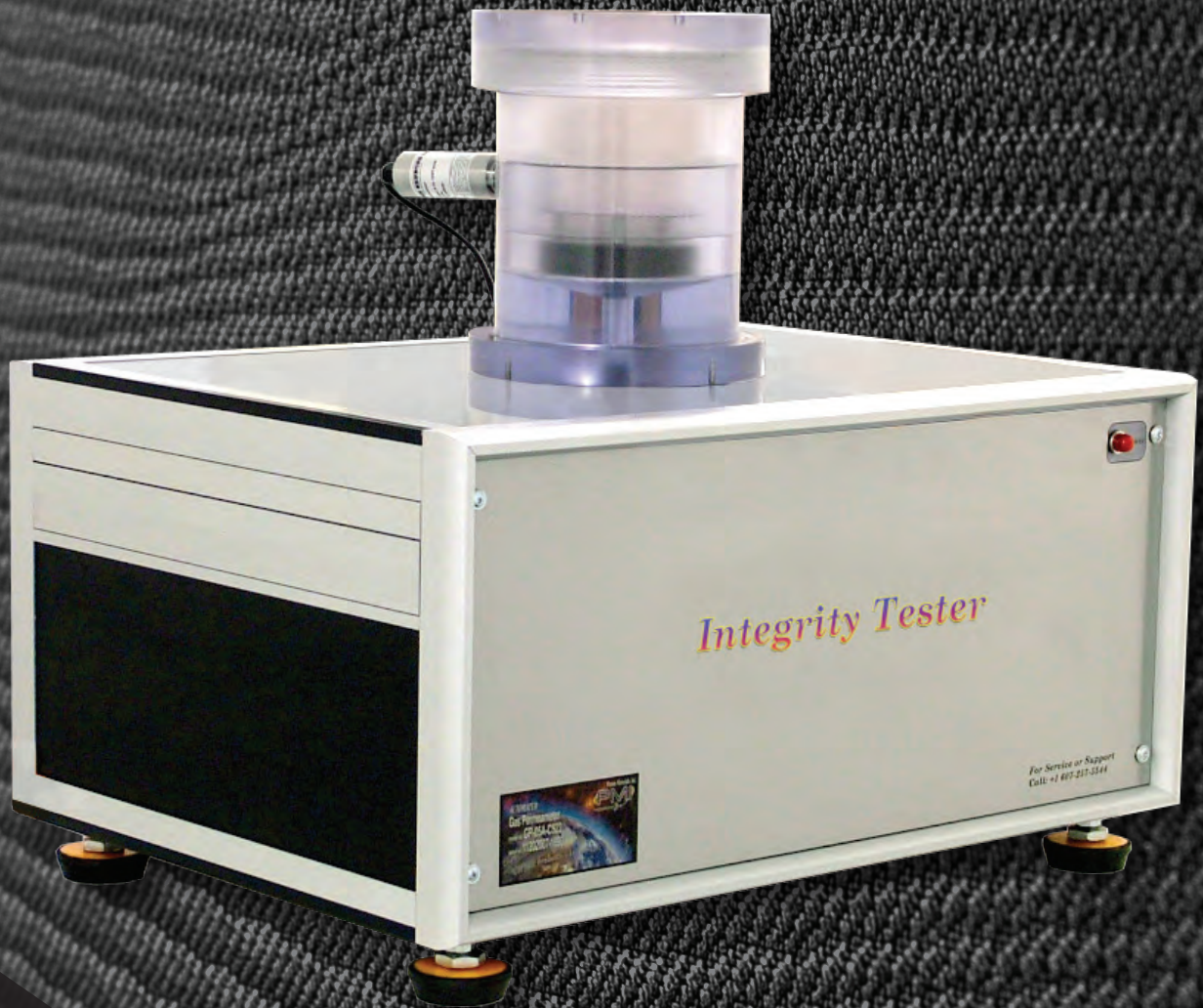


THE PMI INTEGRITY ANALYZER



Not just products...*solutions!*

Description

The PMI Integrity Tester provides fully automated analysis of filter integrity. The integrity test detects small amounts of flow through the sample before the bubble point is reached. The user-friendly Integrity Analyzer features non-destructive testing and can test a wide variety of samples. The integrity test can also measure bubble point.

Principle

A fully wetted sample is placed in the sample chamber and the chamber is sealed. Gas is then allowed to flow into the chamber behind the sample with increasing pressure. A flow meter is located in front of the sample and is used to detect gas flow through the sample prior to any pore being emptied of liquid, thus, the integrity is determined. When the pressure reaches a point that can overcome the capillary action of the liquid within the largest pore, the bubble point has been found. After determination of the bubble point, the pressure is increased and the flow is measured until all pores are empty.

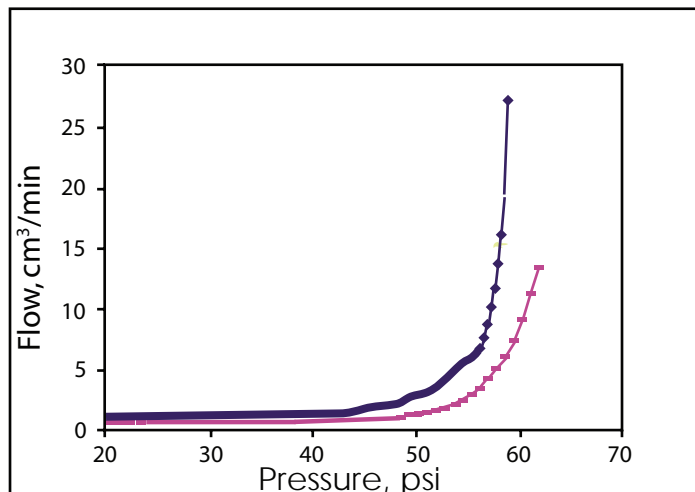


Figure 1

Flow Rates

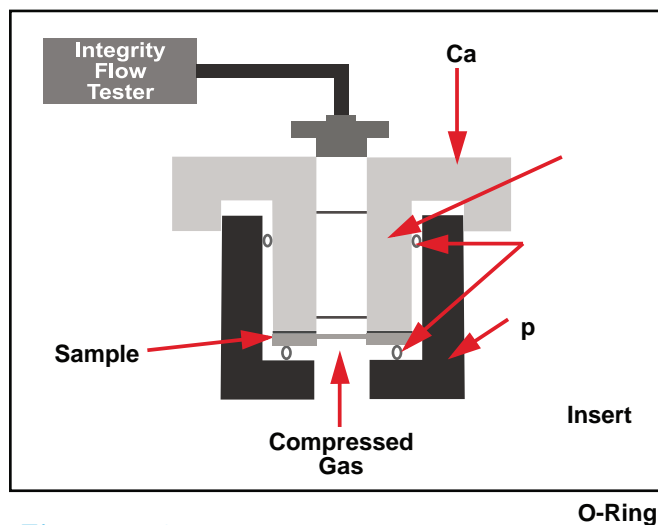


Figure 2

Outline of the basic principle of the Integrity Analyzer

Specifications*

Pore Size Range: 0.013 - 500 microns

Permeability Range: 1 x 10 - 50 darcies

Sample Size: 1.75" - 2.5" diameter

Pressure Range: 0 - 500 psi

Pressurizing Gas: Clean dry, and compressed air or non-flammable
and non-corrosive gas

Pressure Transducer Range: 0 - 500 psi

Resolution: 1 in 20,000

Accuracy: 0.15% of reading

Mass Flow Transducer Range: 10 cm/min - 500,000 cm/min

Power Requirements: 110/120 VAC, 50/60 Hz (others available)

Dimensions: 30" H x 19" W 18.5" D

* *Other specifications for this machine are available. Specifications are subject to change without notice.*

Sales & Services

Our sales team is dedicated to helping our customers find which machine is right for their situation. We also offer custom machines for customers with unique needs. To find out what we can do for you, contact us.

We are committed to customer support including specific service products, short response times & customer specific solutions. To quickly & flexibly meet our customer's requirement, we offer a comprehensive range of services.



*Customize your
machine today!*



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