

VeriPac 310

VACUUM DECAY



F2338-24

Setting the Standard

The ASTM Test Method F2338-24 was developed using PTI's VeriPac leak test instruments and is recognized by the FDA as a **consensus standard** for package integrity testing.

Product Overview

The VeriPac 310 is a non-destructive, non-invasive inspection system for leak detection and package integrity testing.

VeriPac systems **reduce waste** and provide operators with a clear understanding of package quality. The VeriPac 310 short test cycle produces real time results from precise **quantitative measurements** that identify packaging defects before critical process issues get out of control. Tests can be performed in **any sequence** and even repeatedly on a single sample. Good packages can be returned **undamaged** to the packaging line. Testing is more **reliable, sensitive, and efficient** than destructive methods such as the water bath or burst test.



Deterministic, quantitative test method



Cost effective and economical



Repeatable, rapid and reliable testing



ASTM test method and FDA standard



Non-destructive, non-subjective, no sample preparation

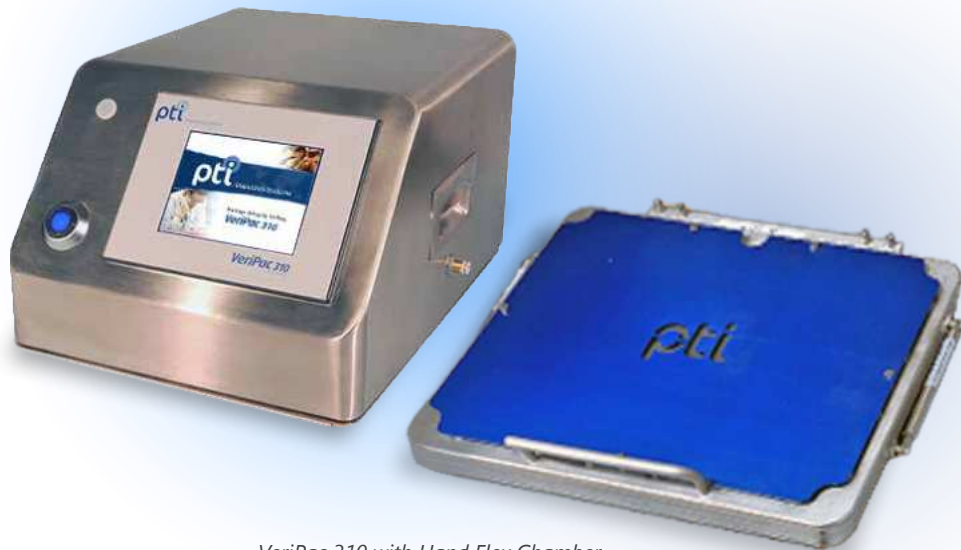


Simplifies the inspection and validation process

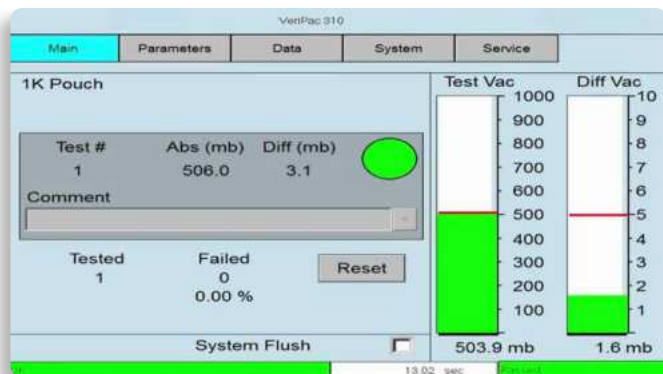
Technology

VeriPac leak testers connect to a test chamber that is **specially designed** to contain the package to be tested. The package is placed inside the test chamber to which vacuum is applied.

The **absolute transducer technology** is used to monitor the test chamber for both the **level of vacuum** as well as the **change in vacuum** over a predetermined test time.



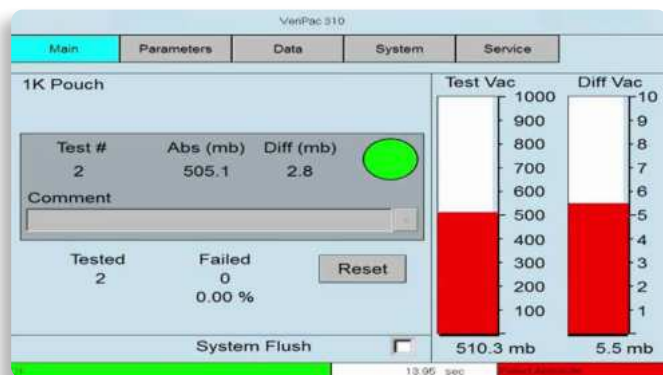
VeriPac 310 with Hand Flex Chamber



The changes in absolute and differential vacuum indicate the presence of leaks and defects within the package.

Test systems can be designed for **manual or automatic operation**.

This inspection method is suitable for laboratory offline testing and production applications for QA/QC statistical process control.



The test cycle takes only a few seconds, is **non-invasive and non-destructive** to both product and package.

Specifications

APPLICATION	Non-destructive leak detection for dry filled packages with defect profile typically >20 microns
PACKAGE TYPE	◦ Filled & sealed pouches containing dry product ◦ Rigid containers, cups, trays ◦ Lidded flexible & semi-rigid packaging made of non-porous materials
PACKAGING MATERIALS & COMBINATIONS	Film, Aluminum, Plastic & Laminated Materials
TEST CONFIGURATION	◦ Offline laboratory ◦ Production line applications
TEST SYSTEM*	Absolute vacuum transducer with automated pressure regulator
TECHNOLOGY*	Vacuum Decay
RECOGNIZED TEST METHOD	ASTM F2338-24, referenced in USP <1207>
OPERATOR INTERFACE	Touch screen
TEST PARAMETER STORAGE	Up to 20 products
TEST SENSITIVITY	3.4 ccm (approximate hole size 20 microns)
TEST RESULTS/RESOLUTION	PASS/FAIL result in mBar
TEST RESULT TRENDS	Yes
DATA COLLECTION	◦ Test results on touch screen up to 300 tests. ◦ Unlimited test data via electronic data storage ◦ Data transfer via Ethernet cable or SD card
TEST CHAMBER	Manual or semi-automatic
TEST INSTRUMENT ENCLOSURE	Stainless Steel
TESTER DIMENSIONS	12" W – 18.5" D – 10" H
WEIGHT	30 lbs.
POWER	100-240 VAC; 50/60 cycles
AIR	90 psi
OPTIONS	Validation Qualification Package (IQ/OQ/PQ) / Microcalibrator Flowmeter
CERTIFICATIONS	CE

* U.S. Patents: 5,513,516 6,513,366
Test results may vary according to application and package specifications.