

LeakVIEW Manual

Visual detection of packaging leaks through either bubble emissions or burst testing. The LeakVIEW is an ideal seal integrity tester for a range of packaging within the food, consumer and medical device industries.



Enhanced by its clear Perspex test chamber, the LeakVIEW provides optimum visual detection of leaks. User-friendly and low maintenance, the system is able to identify holes smaller than 20 microns and can operate in compliance with ASTM D3078 or ASTM F2096 standards.

When carrying out bubble emissions testing, the chamber is filled with water. During the test phase, the head-space is placed under a vacuum, causing the inserted packaging to inflate. Should any leaks be present, a stream of bubbles will be emitted. Water is not required for altitude simulation or burst testing.

Operated by a simple Selector lever that rotates to hold the vacuum at a chosen level, and then further rotates to control the vent rate. No specialist tooling, electrical connection or calibration is required to operate the system. An alternative option to manual operation of the system is the fully programmable LeakVIEW Controller.

Custom configurations are available to tailor the LeakVIEW to each individual's requirements. A range of sizes are available, in addition to an internal pressurisation option (ASTM F2096 conformant).

An essential piece of equipment for any packaging facility, the LeakVIEW is fundamentally able to test any sealed packaging component with a head space.



Though highly configurable to suit individual customer requirements, the LeakVIEW range possesses a number of standard features to enhance functionality.

- Bubble emission testing
- Dry vacuum burst testing
- Internal pressurisation option
- Manual or automated control
- Low maintenance
- No specialist tooling required
- Can detect holes down to 20µm

Applications



Food Packaging - e.g. crisps, snacks, coffee, dairy, meat and fruit & vegetables



Medical Devices - e.g. blister trays, testing kits, implants and pouches



Consumer Products – e.g. cleaning, pet, sexual health, toiletries and cosmetics

Specification	
LeakVIEW	Bubble emission leak detection system Custom configurations available for chamber size and internal pressurisation
Dimensions	A range of sizes are available, both standard and custom Please contact Dynascan for further information
Limit of Detection	Better than 20 microns hole diameter Performance is a function of pack size, vacuum level and head space
Evacuation Time Example (Small Chamber)	0 to -800 mbar <30 seconds at 6 bar line pressure (empty) 0 to -200 mbar <5 seconds at 6 bar line pressure (empty)
Control	Combination evacuation hold and vent control Automatic controller available
Indicators	0-11 bar pressure, 0-1 bar vacuum
Compressed Air	6.5 bar (200l/min), 8mm push-fit connection
Materials	Acrylic test chamber Grade 304 stainless steel base
Compliance	Can operate in compliance with ASTM D3078 or ASTM F2096
Standards	Directive 97/23/EC CAT S.E.P. applies CE marked
Calibration	No calibration required Gauges may be verified for accuracy