

# 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

<b>Dimensions</b>	LeakVIEW Size 1 – (590mm x 540mm x 540mm), Weight 42kg empty, 67kg filled LeakVIEW Size 2 – (670mm x 630mm x 600mm), Weight 65kg empty, 108kg filled LeakVIEW Size 4 – (690mm x 690mm x 490mm), Weight 73kg empty, 123kg filled LeakVIEW Size 5 – (690mm x 760mm x 590mm), Weight 94kg empty, 181kg filled
<b>External Vacuum Pump (Optional)</b>	(220mm x 260mm x 400mm), Weight 20kg
<b>Limit of Detection</b>	Better than 20 microns hole diameter Performance is a function of pack size, vacuum level and head space
<b>Evacuation Time Example (Small Chamber)</b>	0 to -800 mbar <30 seconds at 6 bar line pressure (empty) 0 to -200 mbar <5 seconds at 6 bar line pressure (empty)
<b>Control</b>	Combination evacuation hold and vent control Automatic controller available
<b>Indicators</b>	0-11 bar pressure, 0-1 bar vacuum
<b>Compressed Air</b>	6.5 bar (200l/min), 8mm push-fit connection
<b>Materials</b>	Acrylic test chamber Grade 304 stainless steel base
<b>Compliance</b>	Can operate in compliance with ASTM D3078 or ASTM F2096
<b>Standards</b>	Directive 97/23/EC CAT S.E.P. applies CE marked
<b>Calibration</b>	Gauges may be verified for accuracy