

LeakVIEW Programmable

Visual detection of packaging leaks through either bubble emissions, burst testing or altitude simulation 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 housing, 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 D6653 and ASTM D3078 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.

The system is programmed from a colour touchscreen display for method development and can then be locked to prevent unauthorised changes. Automatic test cycles are initiated by a simple press of the start button. The display will indicate the end of the test cycle. In the case of altitude simulation, ascent and descent profiles can be displayed graphically.

Custom configurations are available to tailor the LeakVIEW to each individual's requirements. An alternative option to automatic operation of the system is the manual version that does not require an electrical supply. A range of sizes are available to suit your requirements.

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
- Altitude simulation testing
- Automated control
- RJ45 network and 2 USB ports
- 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	
Dimensions (External)	Programmable Controller Unit – (250mm x 450mm x 360mm), Weight 10kg 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
Dimensions (Internal)	LeakVIEW Size 1 – (185mm x 440mm x 310mm) LeakVIEW Size 2 – (255mm x 500mm x 330mm) LeakVIEW Size 4 – (260mm x 600mm x 330mm) LeakVIEW Size 5 – (260mm x 630mm x 430mm)
External Vacuum Pump (Optional)	(220mm x 260mm x 400mm), Weight 20kg
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	Touch screen and start stop reset button
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 D6053 or ASTM D3078
Standards	Directive 97/23/EC CAT S.E.P. applies CE marked
Calibration	Gauges may be verified for accuracy