

# LeakVIEW Lite

**A 2023 entry-level model of the LeakVIEW Lite Range without compromising on build quality.**

**The LeakVIEW Lite is an ideal seal integrity tester for a wide range of packaging within Regulated industries.**



The LeakVIEW Lite provides optimum visual detection of leaks from all angles. LeakVIEW Lite can identify leak holes down to 20 microns and operates in compliance with ASTM D3078

## The test process

The test chamber is filled with water. The package is then submerged using the Perspex plate. The head-space above the water is then placed under vacuum, causing the inserted packaging to inflate

## The set up

The desired vacuum level can be simply adjusted up and down by the operator. If leaks are present, a stream of air bubbles will be seen which are clearly visible through the Perspex chamber. There is a convenient fill & drain point located on the bottom of the tank to allow the user to change the water quickly if contaminated.

## Required tools

In the basic system the vacuum is generated using an ejector system powered by compressed air. Vacuum is increased using a push control button and the vacuum level is shown on an analogue gauge on the panel. A selector lever holds or releases the vacuum at a chosen level. No specialist tooling, electrical connection or calibration is required to operate the system. If compressed air is not available, separate vacuum pump is available.

## Product configurations

Custom configurations are available. Each tank has a stainless-steel stand. Water is not required for altitude simulation or burst testing so the tank can be used as a vacuum test chamber instead.

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



The LeakVIEW Lite range possesses a number of standard features to enhance functionality

- Extremely easy to operate and maintain
- Bubble emission testing using water
- Altitude simulation testing
- Dry vacuum burst testing
- Sensitive manual control
- Can detect holes down to 20µm
- 360° viewing of leaks through Perspex tank
- Requires only compressed air to operate
- Sturdy stainless steel construction
- Up to 750mbar of vacuum generated

## 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 Lite	Bubble emission leak detection system  Custom configurations available for chamber size and internal pressurisation
Dimensions	LeakVIEW Size 1 – (590mm x 540mm x 540mm), Weight 40kg empty, 67kg filled LeakVIEW Size 2 – (670mm x 630mm x 600mm), Weight 63kg empty, 108kg filled LeakVIEW Size 4 – (690mm x 690mm x 490mm), Weight 71kg empty, 123kg filled LeakVIEW Size 5 – (690mm x 760mm x 590mm), Weight 92kg empty, 181kg filled
Calibration	Gauges may be verified for accuracy
Limit of Detection	Down to 20 microns hole diameter Performance is a function of pack size, vacuum level and head space
Maximum Vacuum Capability	-750 mbar gauge
Evacuation Time Example (Small Chamber)	0 to -750 mbar <30 seconds at 6 bar line pressure (empty) 0 to -200 mbar <5 seconds at 6 bar line pressure (empty)
Control	Lever Controlled Vacation & Vent Run push button
Indicators	-1000 to 0 mbar gauge vacuum using analogue dial
Compressed Air	6.5 bar (200l/min), 8mm push-fit connection
Materials	Perspex test chamber (polished) Grade 304 stainless steel base
Compliance	Can operate in compliance with ASTM D3078 Part 11 compliance
Standards	Directive 97/23/EC CAT S.E.P. applies UKCA and CE marked