

BiPak

BP 550

A low cost vacuum leak detection system for Bubble Emission. Suitable for sachets, pouches, flow wraps and most non-porous packaging.

Leak Tester



Leak Tester operates on the standard principle of observing the flow of bubbles in water from a leaking pack when under vacuum.

- The Operator simply loads packages into the test chamber and closes the lid
- Pulling the ON/OFF switch starts up the vacuum generator
- Clockwise and anti-clockwise turning of the control switch lets the operator regulate the level of the vacuum. The control switch can be turned to a position that would hold the vacuum at a chosen level.
- As the vacuum is generated the operator can observe any bubble stream to locate a leak path
- The system only requires a compressed air supply and has a simple manual user control interface

Features

- Bubble emission testing
- Can indicate down to 20µm hole diameter
- One simple user control
- No special tooling required

Applications

- Pharmaceutical sachets (powders)
- Medical device packs (non-porous)
- Modified atmosphere packs
- Pillow packs
- Flow wraps
- Any sealed component with head space
- Production and Laboratory environments

Technical Information

Model

Leak Tester BP550	Bubble emission leak detection system with manual control.* * Custom test chamber sizes
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Performance

Limit of detection	Better than 20 microns hole diameter.*
Evacuation time	0 to -800mbar < 30seconds @ 6bar line pressure (empty). 0 to -200mbar <5 seconds @ 6bar line pressure (empty). * Performance is a function of vacuum level and head space.

Capacity

Volume	41,2 lit.
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General

Control indicators	Pressure ON/OFF control and Pressure regulator.
Compressed air	0-11 bar line pressure, 0-1bar vacuum.
External Dimensions	6.5 bar (100l/min). 8mm Push-fit connection.
Weight (dry)	385(H) x 550(W) x 300(D) mm.
Materials	42,4 kg.
Calibration	Acrylic test chamber, Grade 304 stainless steel base. Not required - Gauges may be verified for accuracy.



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