PackTest

Leak Burst Tester

Version 2.1





2-in-1 Equipment

3 Test Modes Many Test Fixtures

An equipment to test Pouches / Cups / Tubes / Blister Packs / Trays for :

- 1. Leakage Test
- 2. Burst Test

Test Modes:

Leak Test:

Your package is tested only for leakages.

Burst Test:

Your package is tested only for burst pressure.

Leak & Burst Test:

Your package is tested both for leakages and burst pressure.

Principle of Operation :

Leak Test: Package is penetrated with a needle probe and internally pressurized up to a set pressure and held for a set time. System will automatically detect leakages by monitoring the pressure drop. If the package is held under water, you will also see air bubbles from leak points.

Burst Test: Package is penetrated with a needle probe and internally pressurized until the sample bursts. The max burst pressure is displayed.

Leak Burst Test: Package is penetrated with a needle probe and internally pressurized up to a set pressure and held for a set time. System will automatically detect leakages by monitoring the pressure drop. If the package passes the leak test, the equipment automatically increases the internal pressure until the sample bursts and records the peak pressure at which the failure occurred.

Visit us at www.PackTest.com

PROUDLY MADE IN TOO 13 Manufactured by:

Marketed by:

PackTest Machines Inc

K-1, 601/2&3, GIDC Ranoli Vadodara - 391350 Gujarat. India.

Email: info@packtest.com







Confirms to:

ASTM F1140 ASTM F2095 ASTM F2054

What's new in Ver 2.1?

1) Enhanced input air filter.

Prevents external particles in air supply from entering the instrument and clogging the pneumatic system.

Multi Stage filter for LBT-11A/AP LBT-15A/AP	Single Stage filter for LBT-11 and LBT-15

2) Inline Air Filter.

Prevents external particles in the pouch from entering the system.

Useful if you are testing product filled packages.



3) Internal Prefiller (Optional).

Allows testing of empty pouches by quickly filling them to save on testing time.

Eg. Large pouches (12inches or larger)

	Without Prefiller	With Prefiller
Time for 0-100% Fill	8 – 9 mins	10 – 15 seconds



Testing Time saved = >90%

4) Enhanced firmware.

Improved Accuracy, Better control and testing experience.



How to order?

Step #1: Select a controller model.

Models Available:

Model #	Capacity	Resolution	APR *	Internal Prefiller	Suitable for
LBT-11					
LBT-11P	1 bar 1.02 kg/cm2 14.5 psi	0.1 mbar 0.0001 bar 0.0001 kg/cm2 0.001 psi		✓	Packages with Low Burst Pressure.
LBT-11A			√		Eg. Medical Pouches, Snack Food Packaging.
LBT-11AP			√	√	
LBT-15					
LBT-15P	5 bar 5.10	0.5 mbar 0.0005 bar		√	Packages with Medium to High
LBT-15A	kg/cm2 72.5 psi	0.0005 kg/cm2 0.007 psi	✓		Burst Pressure.
LBT-15AP			√	√	

^{*} APR (Automatic Pressure Regulator) enables you to set the pressure increment speed for ultra precise control and higher accuracies. Or if you want to test a huge variety of small to large packages.

Step # 2 : Select one or more test fixtures.

Test Fixtures Available:

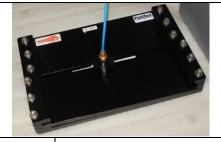
Sr.	Probe / Fixture Type	Photo	Suitable for
1.	Needle Probe		Low - Medium Burst Packages (Unrestrained) :
	Includes: - Needles (10 nos) - EPDM Septum Stickers (100 nos, suitable for 100 tests)	- Conc	PouchesCupsTraysTubesTesting as per ASTMF1140 / F2095



2. Restraining Plate Fixture.

Includes:

- Blister Pack Probe
- Double Sided Adhesive Tape (2 rolls)
- Single Hole Punch



Part No :	Max Testable Pouch Size
RP0810	8x10 Inches
RP1012	10x12 Inches
RP1218	12x18 Inches
RP2024	20x24 Inches

Medium / High Burst Pouches.

or

Pouches that exhibit elongation / stretch during testing.

Testing as per ASTM F2054

3. **Tube Fixture**



(for Screw-On Caps)
Medium / High Burst Tubes with
Screw-On caps.



(for Snap-On Caps)
Medium / High Burst
Tubes with Snap-On / FlipTop caps.

4. Special Fixtures



For Special Packages:

- Medical Blister Packs
- Opthalmic Blister Packs

Step # 3 : Select extra consumables. (for Needle Probe fixture only)

Item/Qty	10 nos	20 nos	50 nos	100 nos	200 nos	500 nos	1000 nos
Spare Needles	✓	✓	✓	✓			
Septum Stickers				✓	✓	✓	✓

Utilities Required (To be supplied by the buyer):

- 1) Power Supply: 230/110 Volts AC at 50/60 Hz.
- 2) Compressed Air supply at 5 6 kg/cm2

(Fluctuation Free Power required)

(Rust, Dirt and Moisture Free Supply)

