

**Summary :** Package integrity is often an important characteristic of package performance. Breaches of package integrity may permit substances to enter or contents to escape packages. A Leak means an opening in a flexible package that, contrary to intention, either lets contents escape or permits substances to enter.

**Applicable to :** Any non-porous package such as Pouches, Blister Packs, Cans, Bottles, etc. This test can also help understand the performance of a package when transported through non-pressurized air cargo or when it is used at high altitudes (low atmospheric pressures).

The Leakage Tester is used to check a package for leakage / capillary defects / pin holes.

- Solid Filled / Air Filled packages are tested while submerged in water. (Wet / Under Water Test)
- Liquid Product Filled packages are tested in dry condition. (Dry Test, without water in tank)

### Models Available :

Model Name	DLX	VDX
<b>Runs On / Utilities Req.</b>	Compressed Air Supply + Electric Power	Electric Power only.
<b>Vacuum Technology</b>	Air Operated Vacuum Generator working on Venturi Principle. Japanese Part / Technology. Needs air supply @ 5 bar pressure with a flow of about 60-100 LPM.	Diaphragm Type, Oil Free Vacuum Pump.
<b>Typical Working Range</b>	300 – 800 mbar (225 – 600 mm hg) below atmosphere.	300 – 600 mbar (225 – 450 mm hg) below atmosphere.
<b>Maximum Working Range</b>	200 – 900 mbar (150 – 675 mm hg) below atmosphere.  Special variant also available for testing upto 975 mbar (731 mm hg) below atmosphere.	200 – 700 mbar (150 – 525 mm hg) below atmosphere.
<b>Output</b>	2 Line LCD Display. Optional Model (DLX-DX) with Software for linkup with PC for test & report functionality.	2 Line LCD Display. Optional Model (VDX-DX) with Software for linkup with PC for test & report functionality.

### Which Model to buy ?

If you can supply compressed air, then DLX is the best model. It has negligible maintenance due to solid state vacuum generator. Makes the Lowest Noise while generating the highest vacuum in fastest time. Did we mention, it's even cheaper, lighter and smaller than the VDX Model ?

Visit us at [www.PackTest.com](http://www.PackTest.com)



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## Common Specifications :

- Fully-Automatic, Digital Model
- Embedded Push-Button Operation through Control Panel
- Controller Unit with a large 2 line, Backlit LCD display
- Inbuilt Vacuum Generator or Vacuum Pump of suitable capacity.
- High accuracy Digital Vacuum Sensor connected to the Vacuum Chamber.
- User selectable measurement units. (mm-hg, Mbar, kPa)
- Programmable Vacuum and Timer Set-points

## Operating Procedure :

- 1) Place sample in Vacuum Chamber.
- 2) Go to MENU of the controller. Select appropriate Vacuum and Time setpoints.
- 3) Press START button.
- 4) As soon as the desired Vacuum is achieved, the solenoid valves will lock the Chamber.
- 5) A Count-down Timer will start on the same LCD display.
- 6) Watch for any air-bubbles coming out from the sample / package.
- 7) As soon as the desired Time is over, the solenoid valves will exhaust the Chamber.



## Includes :

1. **Vacuum Tank** (Round Desiccator)  
Material of Construction : Polycarbonate (Top + Bottom Transparent)  
Chamber Shape : Spherical. Center Split.  
Chamber Type : Transparent Tank with 12 Inch Dia and 12 Inch Height
2. **4-20 mA MACS Calibrator**  
Milli-Ampere Calibration Source / Current Loop Calibrator  
For use with above machine.
3. **Air Filter** (with DLX model, to ensure long working life to the machine)

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