



LEAK TEST APPARATUS QLT – 600P

OVERVIEW

The QLT-600P is used to test for the integrity of packed strips, blisters and small sachets containing tablets, granulates, liquids and so on. The instrument is used to test the quality of the packaging process and to check that the seals enclosing the product are perfectly intact. The QLT-600P leak tester is designed to find the smallest holes and imperfections in blister packs and other semi-rigid product packaging. It is designed in compliance to the USP monograph <1136>.

Test Procedure The leak test apparatus is widely applied in the pharmaceutical industry for checking strips, blisters and bottles containing tablets, capsules, syrups and so on. It also find application in the food industry where it can be effectively used to check the air-tightness of sweet packets, ready-to-eat pre-packed foods, confectionery packaging, packs of noodles, sauces to name but a few. Samples are placed into the desiccator's housing and the lid is placed in position. The pump starts to produce a vacuum inside the desiccators and the vacuum is held for a pre-set time.

FEATURES

- Meets USP And Package Specifications
- Ideal For Checking Leakage Of Packed Strips, Blisters, Small Sachets and Ampoules
- Fully Automatic System
- Display indicates set and actual vacuum level.
- Vacuum level can be set up to 600mm of Hg.
- Programmable retention time, start delay time and vacuum hold time
- Automatic release of vacuum at the end of the test.
- Oil-Less Vacuum Pump
- Alarm indication to indicate the status if the test.
- Incorporated with an oil free vacuum pump.
- Stainless steel body.
- Compact size makes the device portable.
- Slow release of vacuum at the end of the test.

- Slow Venting For Better Results
- Serial interface of vacuum at the end of the test.
- Serial interface to attach dot matrix printer.
- Validation Report Printout
- Polycarbonate vacuum desiccator.
- 20X4 LCD display.

The process is divided into four stage:

- Vacuum is generated as per the set value
- Vacuum pressure is applied to stress the samples for the exact set time.
- Vacuum is released after set time.
- The sample are then exposed to atmospheric pressure for a period of set time , this ensures that the coloured water is penetrated even into fine holes

SPECIFICATION

PARAMETER	SPECIFICATION
Vacuum Level	> 650mmHg
Vacuum Setting	Vacuum can stabilize for a set value from: » Less than 400mmHg: ± 10mmHg within 30 seconds » Above 400mmHg: ± 5mmHg within 30 seconds
Display	20X4 LCD DISPLAY
Data Entry	Function key
Timer	Can be set from 1 to 99 minutes
Desiccator Sizes	300mm, 250mm, 200mm or 150mm Ø (optional)
Printer	Parallel port for dot-matrix printers
Power	230V.50Hz
Instrument dimensions	Approx. 400 x 240 x 220 mm (Length x Width x Height)
Net weight	Approx. 17kg
Certification	All components certified to USP / EP requirements
Validation	All IQ & OQ documents included

PARTS & ACCESSORIES

Description	Part Number	Qty
12 mm Round Glass Plate for 250 mm Dia Desiccator		1
12 mm Round Glass Plate For 300 mm Dia Desiccator		1
Vacuum Desiccator Of 250 mm Dia With Perforated Disc For 250 mm		1
Vacuum Desiccator Of 300 mm Dia With Perforated Disc For 300 mm		1
IQ/OQ DOCUMENTS		1

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