

Automate Vacuum Air Leak Tester



Introduction

ALT-A020 Automate Vacuum Leak tester is a kind of tester that use compression air to produce negative pressure by vacuum device to test the seal capability and processing technique of soft plastic packaging material. It has advantages of easy operation, novel design, convenient to observe test result, especially to detect some tiny pole leak.

Application

It is applicable in testing the seal of soft packaging in food and pharmaceutical industry, etc. It can test the seal capability of soft packaging accurately, which provides scientific date for relative technical requirement. It also can test the specimen which has done drop and compression test.

Features:

- The instrument utilizes the digital preset design of vacuum degree and vacuum retention time to ensure the accuracy of test data
- Top quality parts and components made by world famous brands are used to ensure reliable overall product performance
- Specimens could be tested in the preset vacuum condition by automatic compensation of constant pressure
- Professional software supports automatic back flushing and test termination to provide a safe test environment
- The instrument is controlled by micro-computer, with LCD and PVC operation panel, which is convenient for customers to test and view test data.

Work Principle

Through vacuumize the vacuum chamber to let the sample dipped in the water and it will have an inside and outside pressure difference. By observe the air leak or water permeate case to judge the seal capability of the sample.

Air pressure difference between the inside and outside of the sample ---- air expand --- air leak--- air new balance--- air rate rise in the inside of the sample--- air expand rate rise--- sample receives bigger pressure--- air leak stronger.

Remark: the parameter's set is according to the products' inside air rate, for example, the high air rate of the sample, the high inside air expand rate, so the vacuum pressure should be set lower.

Standard

GB/T 15171、ASTM D3078 -1994, GB/T27728

Parameter

Vacuum degree: 0~-90Kpa

Accuracy: +1%

Inside dimension of vacuum: Φ 270mm \times 210mm(H)(Standard)

Φ 360mm \times 585mm(H)(**Optional**)

Φ 460mm \times 330mm(H)(**Optional**)

Customer self-provide air supply,

Compression air pressure range: 0.5-0.7 Mpa

Instruments Dimension: L 300x W 380 x H 450mm

Power: AC220 V 50Hz