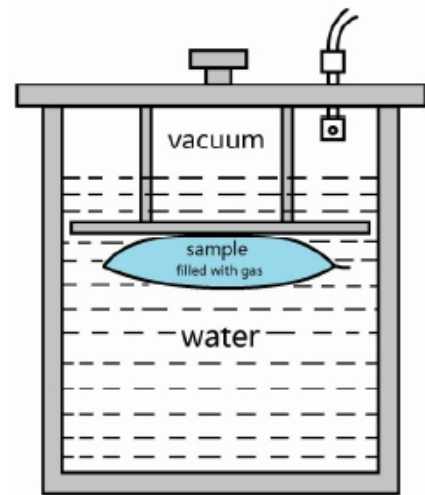




Plastic Bag Bottle Leak Test Machine



Leakage Test

Instrument Principle

It 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.

Work Principle

Through vacuumize the vacuum chamber to let the sample dipped in the water 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.

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.

Remark The parameter's set is according to the product's 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.

Model	ALT
Vacuum Degree	0 ~ 100 kpa
Vacuum Accuracy	± 1%
Vacuum holding time	1 ~ 60min
Inlet pressure	0.25 ~ 0.6 Mpa (2.5~ 6 kg/cm ²)
Loading Method	Static Load
Control	Manual Control
Display	LED Display
Power Requirements	230 Vac, ± 20%, 50-60Hz
Vacuum chamber size	Ø 300 x 350 mm
Dimension (LxWxH)	430 x 300 x 500 mm
Weight Approx	12 kg