

MFY-01 Leak Tester is professionally designed for leakage test of packages for food, drugs, medical instruments, daily chemical products, cars, electronic components, stationeries and other industrial products. The instrument also can be used to test seal performance of specimens after falling and compression tests.



Professional Technology

- The instrument utilizes the digital preset design of vacuum degree and vacuum retention time to ensure the accuracy of test data
- Major components are imported from renowned countries with reliable and stable 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

Test Principle

Firstly submerge the specimen in the water within the vacuum chamber, and then evacuate the vacuum chamber to form differential pressure between the inside and outside of specimen. The leakage property could be obtained by observing the steady progression of bubbles from the specimen and how the specimen expands and restores to its original shape after vacuum release.

This test instrument conforms to the standards: GB/T 15171, ASTM D3078

Applications

MFY-01 leak tester is applicable to the determination of leakage property of:

Basic Applications	Glass bottles, pipes, cans and boxes
	Plastic bottles, pipes, cans and boxes
	Metal bottles, pipes, cans and boxes
	Paper plastic composite bags and boxes
Extended Applications	Pen refills
	Electronic components
	Medical instruments

Technical Specifications

Items	Specifications
Vacuum Degree	0 ~ - 90KPa
Accuracy	1% of reading value
Vacuum Chamber	Φ270 mm x 210 mm(H) (standard)

Effective Sizes	Φ360 mm x 585 mm(H) (optional)
	Φ460 mm x 330 mm(H) (optional)
	Note: customization is available for other sizes
Air Source Pressure	0.7 MPa (not in supply scope)
Port Size	Φ6 mm PU Tubing
Instrument Size	300 mm (L) x 380 mm (W) x 450 mm (H)
Power Supply	AC 220V 50Hz
Net Weight	12 kg

Note: 1. The gas supply port of instrument is Φ6 mm PU tubing;

2. Customers will need to prepare for gas supply.