

MFY-02 Leak Tester

MFY-02 Leak Tester is professionally designed for the leakage tests 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.

Feature:

- 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



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.

Technical Specifications:

Specifications	MFY-02
Vacuum Degree	0 ~ -90 KPa
Accuracy	1% FS
Vacuum Chamber Effective Sizes	Φ270 mm x 210 mm (H) (standard)
	Φ360 mm x 585 mm (H) (optional)
	Φ460 mm x 330 mm (H) (optional)
	Note: customization is available for other sizes
Gas Supply Pressure	0.7 MPa (outside of supply scope)
Port Size	Φ6 mm PU Tubing
Instrument Dimension	300 mm (L) x 380 mm (B) x 450 mm (H)/26kg
Power Supply	AC 220V 50Hz

MFY-02 Leak Tester is applicable to the determination of leakage

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

Standards

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

Standard Configuration

Mainframe, Vacuum Vessel

Note

1. The gas supply port of the instrument is Φ6 mm PU tubing;
2. Customers will need to prepare for gas supply .