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Analysis & Testing Instruments



Leakage Tester GB-M



Introduction

The GB-M sealing tester uses compressed air as the power source and high-precision electronic pressure sensor as the measurement method. Through microcomputer control, it can effectively compare and evaluate the sealing process and sealing performance of flexible packages, and provide scientific information for determining relevant technical requirements. It is suitable for sealing performance test of flexible packages in food, pharmaceutical, daily chemical and other industries.



Test principle

By evacuating the vacuum chamber, the sample immersed in water will generate a pressure difference between the inside and outside, and observe the gas escape or water infiltration in the sample, so as to judge the sealing performance of the sample.

Standard

ASTM D3078

Application

	Paper-plastic composite packaging	Sealability test for paper-plastic composite bags and boxes.
	Plastic packaging	Integral tightness test for plastic bottles, tubes, cans and boxes.

Specification

Item	Technical Parameters
Vacuum degree	—(0~90)KPa
Vacuum precision	±1%
Vacuum keeping	0.01s~99.99h
Intake pressure	(0.6~0.8)MPa
Power supply	220 V, 50 Hz
Instrument size	(305×380×150)mm
Power	220V, 50Hz (optional)

Specification of cylindrical chamber



No.	Model	Sample placed space size approx. (Diameter * Height)	Overall dimension approx. (D * THK * H) Height without lid
1	S	(270*170)mm	(300*15*300)mm
2	M	(410*210)mm	(450*20*350)mm
3	L	(550*350)mm	(600*25*500)mm

Features

◆ High-quality accessories, quality assurance

The built-in high-precision pressure sensor has high sensitivity and can monitor the intake pressure in real time.

◆ Fully automatic operating system

Set the vacuum degree and holding time as needed, the instrument is fully automatic for testing, automatic vacuuming, holding the set time, automatic stop and inflation return.

The new air circuit system uses compressed air and is pneumatically driven, which can realize quick inflation and return to the position, and the internal and external air pressures are consistent.

Factory configuration

No.	Name	Model NO./Specification	Qty	Unit	Remark
1	Leakage tester	GB-M	1	pc	
2	Vacuum tank	/	1	pc	
3	Power line	10A 1.8 mts	1	pc	
4	PU pipe	Φ8*Φ5	5	mts	
5	Reducer Straight Fitting	PG8-6	1	pc	

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