# KASON-IPTM6 Glass Bottle Internal Pressure Testing Machine

Note: The picture is for reference only

## Product Introduction:

The Glass Bottle Internal Pressure Testing Machine is suitable for testing the internal pressure resistance of various glass bottles, including beer bottles, wine bottles, beverage bottles, infusion bottles, and antibiotic vials. The product conforms to the test items specified in GB/T 4546-2008 Glass Containers—Test Method for Internal Pressure Resistance, and also meets the requirements of various standards such as YBB. It automatically displays the pressure changes throughout the entire test process and can meet the requirements for pressure holding tests and burst pressure tests of glass of various capacities. The Glass Bottle Internal Pressure Testing Machine is an essential testing instrument for breweries, glass bottle manufacturers, quality inspection agencies, and pharmaceutical production enterprises.

## Standards:

GB/T 4546-2008, YBB00172003-2015, ISO 7458, 2015 National Standard for Pharmaceutical Packaging Materials

## Product Features

- Equipped with an industrial-grade high-definition color touchscreen, menu-driven interface, one-button operation, and full display of the testing process;
- Utilizes internationally renowned brand processing chips, significantly improving the speed of pressure acquisition and effectively ensuring the accuracy of test results;
- A rationally designed hydraulic drive system ensures stable performance, eliminates complex piping interfaces, reduces leakage, and facilitates maintenance;
- The equipment has comprehensive testing functions, meeting standard requirements for both

pressurization and holding pressure testing modes, allowing users to easily select testing methods;

- High testing accuracy, wide measurable range, and high pressure up to 7MPa, meeting the testing requirements of different users;
- Fast testing speed, with a rationally optimized hydraulic pressurization system that helps users improve testing efficiency;
- Automatic equipment operation... Highly automated, featuring automatic pressurization, pressure holding, automatic pressure release upon test completion, and automatic alarm for equipment malfunctions;
- Equipped with a mini printer, it can print test data, results, and dates after the experiment, facilitating user archiving and storage of test results;
- The equipment is designed with multiple safety protection devices to ensure the personal safety of test personnel during the testing process;
- The instrument is equipped with a specially structured broken glass collection device and a solid-liquid separation device for easy cleaning and maintenance;
- Both the instrument's gas and water pipelines are equipped with filters to ensure the stability of the pipeline operation within the instrument system and effectively reduce maintenance costs;
- Equipped with a mini printer for quickly printing experimental results and statistical values (maximum and average);
- The testing system program has an ISP online upgrade function, providing personalized customization services;

## Technical Parameters

| Specifications | Parameters |
|---|---|
| Measurement Range | 0.5～6MPa |
| Pressure Unit | MPa, bar, PSI, kPa |
| Resolution | 0.00 |
| Pressure Test Error | ±0.5% F.S |
| Pressure Increment Rate | 0.4～0.58±0.1MPa/s; 1.0±0.2 MPa/s |
| Bottle Neck Clamp Diameter | Φ24～29mm (Standard configuration, other specifications require customization) |
| Water Source Requirements | Continuous water source or water tank |
| Water Source Connector | Φ8mm |
| Air Source Requirements | 0.5-1Mpa clean compressed air |
| Air Source Connector | Φ6mm |
| Dimensions | 600mm (L)×650mm (B)×1450mm (H) |
| Operating Environment | Temperature 15℃-50℃; Humidity ≤80% Non-condensing |

| | |
|---|---|
| Power Supply | 220V 50Hz |
| Weight | 80Kg |

## Standard Configuration

Standard Configuration: Main unit, standard fixtures, micro printer

Optional Components: Testing software, communication cable, non-standard fixtures

## Testing Principle

The hydraulic pressure generated by the instrument's built-in hydraulic drive is transmitted through pipelines in an equal manner to the pressure sensor and the glass sample bottle being tested. The equipment controller collects pressure signals from the pressure sensor in real time and controls the built-in hydraulic drive based on the pressure signal values, causing the pressure within the system to increase linearly according to the requirements of national standards and ISO standards until a preset value is reached. If the sample bottle breaks during pressurization or pressure holding, it is considered unqualified; if the sample bottle remains intact after the system automatically depressurizes at the end of the test, it is considered qualified.

## Testing Applications

| | | |
|---|---|---|
| Basic Applications | Beverages and alcoholic beverages | Beer bottles, liquor bottles, wine bottles, soft drink bottles, and other types of glass bottles |
| | Pharmaceutical packaging materials | Pill bottles, infusion bottles, and other types of glass bottles |
| | Condiments | Canning jars, wide-mouth jars, glass jars, and other types of glass bottles |
| | Daily chemical products | Cosmetic glass bottles, chemical reagent glass bottles, and other types of glass bottles |
| Extended Applications(Optional) | Metal cans | All types of aluminum cans, aerosol cans, and other types of metal cans |

# FOCUS IN MATERIAL TEST

KASONTEST®

JINAN KASON TESTING
EQUIPMENT Co, LTD.
DuandianIndustrial Park , Jingshi Road, Jinan City,China.
**P:** +86 159 1008 1986
**E:** admin@jnkason.com I **W:** www.syjlab.com