



# H5K5.HTPC

## Leak tester for paper cups



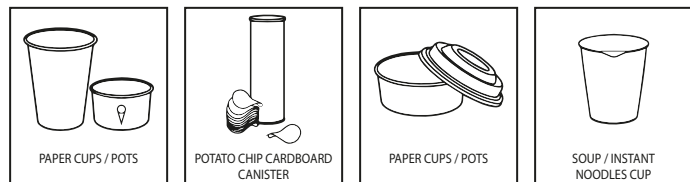
The H5K5.HTPC is an accelerated leak tester that enables you to detect paper cups that are leakers in less than 2 minutes, instead of the 30 minutes required by conventional standing liquid test methods. Investing in a H5K5.HTPC leak detector is easy to justify as it saves testing time, reduces waste of material, saving money, and guarantees product quality. It provides information to your inspection team regarding the quality of your paper cups.

It is an instrument designed to make leak testing in a more easier, faster, efficient and standardized way. It mainly applies to leak detection and analysis in paper cups/pots.

It is an autonomous, versatile, compact with configurable settings from a touch screen. It has 6 vacuum setting stages and 18 memories or programs recipes from different products.

### APPLICATIONS

- Food Industry
- Packing Development
- Paper Cups / Pots, Cardboard canister, etc.



### ADDITIONAL ACCESSORIES



Printer

Quick start button

Vacuum Pump

### DISPLAY

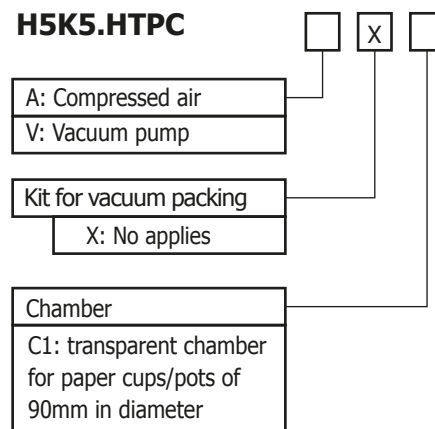


### FEATURES

18 Memories / Recipes	6 Stages	Up to 6 Quick start button	5 Adapters for different sizes
4 Password levels	1 Datalogger	1 Touchscreen	1 Printer output
ML Multiple languages	S Screenshot	R Pressure / vacuum rate	C Easy cleaning chamber
MP Maximum pressure or burst testing	SP Speed up the process	F Faster and safer	MD Micropores detection

### VERSION

#### H5K5.HTPC



**H5K5**  
LEAK DETECTION

[www.h5k5.com](http://www.h5k5.com) / [info@h5k5.com](mailto:info@h5k5.com)

# H5K5 Leak Tester for paper cups

**H5K5**  
LEAK DETECTION

## Instructions

### Hermeticity test with liquids:

The H5K5.HTPC accelerates conventional testing methods and allows us to verify whether there is a leak in the paper cup. Conventional methods consist of placing the pots or cups with hot water or chemical, wait a certain time that usually is more than 30 minutes, and then inspect each packaging to find liquid losses.

The H5K5.HTPC accelerates this process by applying vacuum from the outer side of the packaging, so that if there are leaks, those can be seen in few seconds, in a safer way by removing the use of chemical or hot water that could be dangerous for the user.

Process: place the cup in the correct hole of the chamber and pour the liquid into the cup, colorants can be added so the leaks could be easy to visualize. Then start the test by pushing the quick start button. Previously the supervisor should configure the 6 vacuum stages, settling time and venting time (the equipment settings are password protected). The operator should see if the liquid starts coming out from any seal of the cup.

### Maximum pressure or burst test:

The supervisor must have to set up the testing method. Then place a good sample in the correct hole of the chamber, pour a little bit of liquid in the cup and start the test. The H5K5.HTPC allows to find the weakest part of the bottom seal and evaluate the burst pressure. The operator could stop the test and automatically have the report with the maximum pressure that the packaging reached.

### Micropores Detection:

The test consists of placing water into the chamber, introducing the cup in the hole and verifying if it submerged until about a half. Start the test, so that the equipment could apply vacuum to the chamber.

In this way if the packaging has micropores or leaks the operator may see a bubble line going out the cup/pot. While in the hermeticity test with liquid inside the cup the equipment is forcing through a difference of pressure the passage of liquid through the cup, in this method force the passage of air to detect small holes or micropores that with liquid are so difficult to detect.



Place Sample



Add liquid



Start test



Visualize Leak



Automatic printing report

## Specifications

Control Unit

Maximum Vacuum

- Pump version: -950mBar (at sea level)
- Compressed air version: -700mBar (at sea level)

Resolution: 1mbar

Accuracy: 1% fs

Graphic and touch display: 4.3" TFT LCD (65536 colors) 480 x 272 pixels

Operating Humidity: 20% - 80% not condensed

Operating Temperature: 5 a 40 C°

Keyboard: Touch

Alarm: Stop requested by the operator / process error

Connectors: Aluminum

Push button: Quick start / abort test (optional)

Filter: Internal and external

Power supply: 100-240 Vac, 50/60hz

Dimensions: 305 x 279 x 125



+54 11 3263 1955  
www.h5k5.com  
info@h5k5.com