



# H5K5.HTPC

## Leak tester for paper cups



### DISPLAY



### APLICACIONES

- Food Industry
- Packaging Development
- Paper Cups/Pots

The H5K5.HTPC enables you to detect paper cups that are leakers in less than 2 minutes instead of the 30 minutes required by conventional standing liquid leak test methods. It provides information to your inspection team regarding the quality of your paper cups.

The H5K5.HTPC 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.

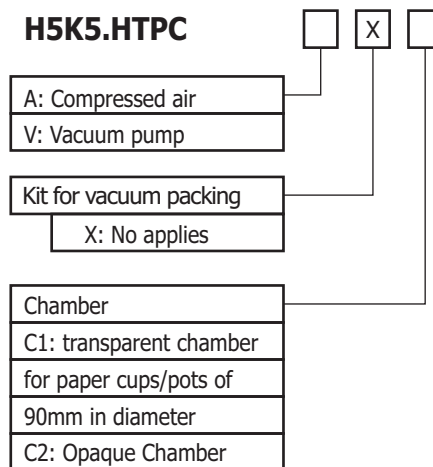
It is an autonomous, versatile, compact with configurable settings from a touch screen. It has 6 vacuum setting stages and 18 memories or programs recipes for different products.

### FEATURES

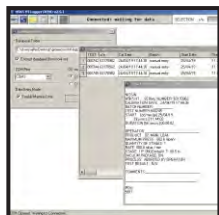
- Leak detection in paper cups/pots
- Maximum pressure or burst testing
- Micropores detection
- Hemeticity test
- Instant display data
- Low consumption
- Interactive menu
- Touch screen
- Vacuum and venting programmable intervals (6 stages)
- Vacuum programmable
- Quick start button
- Printer output
- 18 configuration memories/recipes
- Ramp / flow configurable
- Replace the use of hot water and chemical to speed up the test process.
- Test paper cups/pots in a fast and safe way.
- Detachable chamber for easy cleaning.
- Adapters for different sizes of cups and pots.

### VERSION

#### H5K5.HTPC



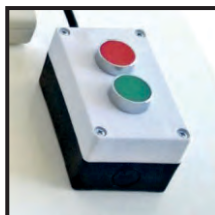
### ADDITIONAL ACCESSORIES:



Software



Printer



Quick start button



Vacuum Pump



**H5K5**  
LEAK DETECTION

# Leak Tester HTPC for paper cups

## Instructions

### Hermeticity test with liquids:

The test consist in prove if the packaging achieves liquid. Usually place the pots or cups with hot water or chemical and wait a certain time that usually is more than 30 minutes, 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 in the cup, that could has colorants to visualize easier the leaks. Then start the test 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 going out from any seal of the packaging.

### Maximum pressure or burst test:

The supervisor must have to configurate the testing method. Then place a good paper pot/cup 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 consist in place water into the chamber, introduce the cup in the hole and verify it is submerged until about a half. Start the test, so the equipment applies 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.



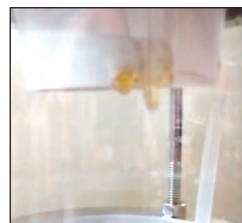
Place Sample



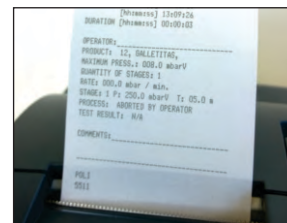
Add liquid



Start test



Visualize Leak



Automatic printing report

## Specifications

Control Unit	
Maximum Vacuum	
Pump version:	-900mbar
Compressed air version:	-700mbar
Resolution:	1mbar
Accuracy:	1% fs
Graphic and touch display:	4.3" TFT LCD (65536 colores) 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)
Safely filter:	Internal and external
Voltage:	100-240 vac, 50/60hz with protection
Sizes:	391 x 231 x 122

