

BURST RESISTANT TESTER FOR PLASTIC BOTTLES BR-7000



INTERNATIONAL STANDARDS



With the Atrya Burst Resistant Tester for plastic bottles BR-7000, you can realize stress tests like explosion tests, simulate filling process or incremental pressure raises to observe the resistance of the bottle at different points of internal pressure.

The device can be installed on a laboratory or at side of the production line, helping in the task of quality assurance.

The totally new control software includes a Windows 7 Embedded OS, allows the user to create, save, edit and organize different recipes settings, calling it when the test is required, language change, imperial and metric units, store results, simultaneous graphic comparison, statistics chart, data send and more.

ADVANTAGES

- Compliance with **international test methods**
- New **last generation Servo-valve** allows the device gets high raises of pressures in a short time, a better control and accuracy over the samples than older versions, needing lower maintenance.
- Automatic led lighting into the test chamber, permit to the user a visual inspection of the samples performance that complement the results.
- Quick change of finish diameter without tools (optional).
- Test chamber built in **AISI 304 stainless steel**, have got greater resistance to explosions for large volumes, for returnable bottles and higher volumes of samples.

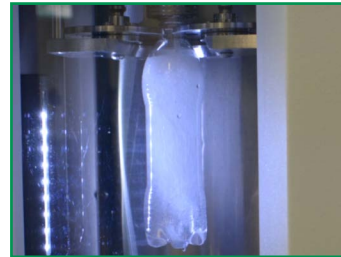
INTERFACE FEATURES

- 10" Touchscreen with **graphics and results in Real Time**
- Alarm settings for different events
- Temperature monitoring of test water
- Results store by recipe and for mold number
- Memory allows to save 10 recipes for each kind of test
- Friendly navigation by menus
- Ergonomic design

BR-7000

TEST MODES

- **BURST MODE:** The bottle's inner pressure rise quickly to a pre-set value and it's hold by a certain time. The input parameters are initial pressure, nominal volume, expansion limit and holding time.
- **INCREMENTAL MODE:** This kind of test is perfect to simulate the conditions of filling process. The sample is quickly pressurized to a pre-set pressure by the operator, hold this pressure by a certain lapse. Then, pressure is constantly increasing until the sample explodes or until the maximum pressure is raised.
- **CUSTOM MODE:** Allows the operator the option to create unique tests to accomplish with special needs.



WATER RECIRCULATION SYSTEM FOR EQUIPMENT BR-7000.

MOD: RESY-7000

Ask for the data sheet.

NEW Shelf Life Predictor® Software

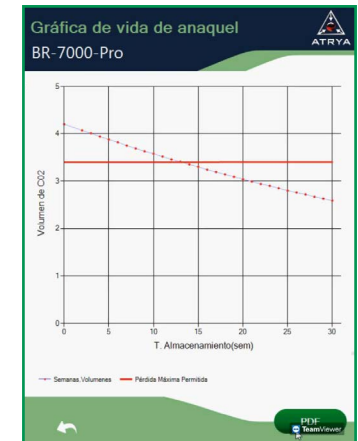
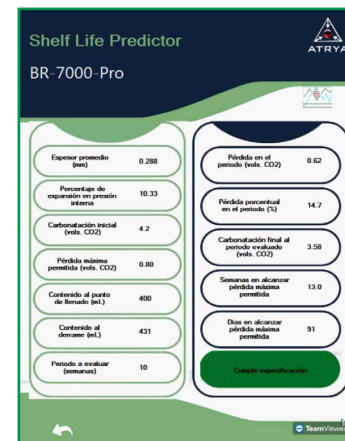
The **Shelf life** of a carbonated beverage packaged in PET is mainly affected by the loss of CO₂ due to permeation of this by the appearance of the packaging.

Taking into account the problem, Atrya has developed the **new Shelf Life Predictor® (SLP) software**, based on the principles of permeability, the general law of gases and extensive experience in laboratory quality testing.

ADVANTAGES:

- Immediate results prediction (no long waiting periods).
- Reliable and accurate results for the release of production batches, with prediction graphs.
- Easy adjustments during the process in real time.
- Determination of the viability of the container according to the manufacturing materials.

Order it at the time of purchase of your BR-7000 or as an upgrade to your existing equipment.



Sample Test Results Screens (Left) and graph of prediction results (right)

BR-7000

TECHNICAL DATA

Test Methods	Burst, incremental and custom
Dimensions (Width x High x Depth)	639 x 836 x 647 mm (25.16 x 32.91 x 25.47 in)
Approximate Weight	120 kg (264.56 lb)
Maximum Pressure Test	350 psi
Maximum Sample Volume	3.785 L
Maximum Sample Dimensions	Ø 150 x 400 mm de altura (Ø 5.91 x 15.75 in)
Maximum Sample Expansion Allow	3 L
Power Supply	110 - 220 V C.A. / 50 - 60 HZ
Power Consumption	95 W
Air Supply	Recommended filter 20 microns (60 microns minimum) Maximum Flow 26.4 SCFM (748 l/m)
Pressure Air Supply	100 psi Min 600 psi Max
Water Supply	Less than 0.5 ppm dissolved mineral or salts Recommended Flow 0.44 SCFM (12.5 l/m)
Pressure Water Supply	40 psi (137.9 kPa) Min 60 psi (413.9 kPa) Max
Water Supply Inlet	3/8 " NTP Female
Air Supply Inlet	1/4" NTP Female
Drain Outlet	Ø 1 1/2"
Interface	Touchscreen 10"
Communication Port	RS-232 Female Connector Ethernet (optional)
Pressure Accuracy	± 2 psi
Pressure Resolution	1 psi
Temperature Resolution	0.1 °C (32.18 °F)
Volume Resolution	1 ml
Time Resolution	1 s

OVERALL DIMENSIONS



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