



CAUSTIC SODA TESTER

CST - 7000



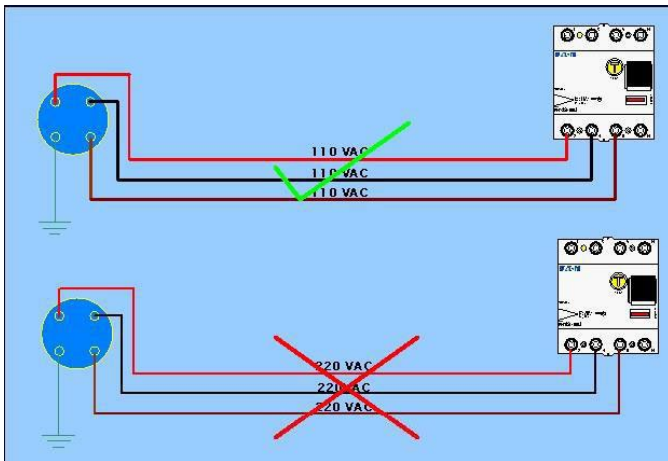
The durability of a filled plastic bottle is critical to allow it to function. The bottles which return to be filling again, need to be washed.

The CST-7000 of ATRYA was designed to simulate the conditions of the industrial washers, the device is capable testing up to twelve bottles simultaneously, sinking and rising it automatically on a NaOH solution.

TECHNICAL DATA

Overall Dimensions	2600 x 2150 x 1010 mm (102.36 x 84.65 x 39.76 in)
Approximate Weight (Empty)	560 kg (1234.59 lb)
Power Supply	220 V 50 Hz / 60 Hz 3 phases + ground
Current per phase	23 A
Power consumption	8.7 kW
Water Supply	30 psi (206.84kPa) a 60 psi (413.68 kPa)
Air Supply	10 psi (68.94kPa) a 30 psi (206.84kPa)
Drain Connection	2 Connections 3/4" NPT
Temperature Range	25 - 70°C (77 - 158°F)
Time Range Adjustable	5 to 60 minutes
Tub Total Capacity	581 l
Tub Work Capacity	525 l
Solution Heating Time	180 min Depending the ambient
Sample Capacity	12 Samples (From 1.5 l to 3 l)
Samples Diameter	Min Ø90 - Max Ø120 mm (Min Ø3.54 - Ø4.72 in)
Sample Height	Min Ø330 - Max Ø375 mm (Min Ø 12.99 - Max Ø14.76 in)
Kind of Finish	Ø 28 mm (Ø1.10 in)
Gas Extractors	Ø 4" capacity of 250 CFM

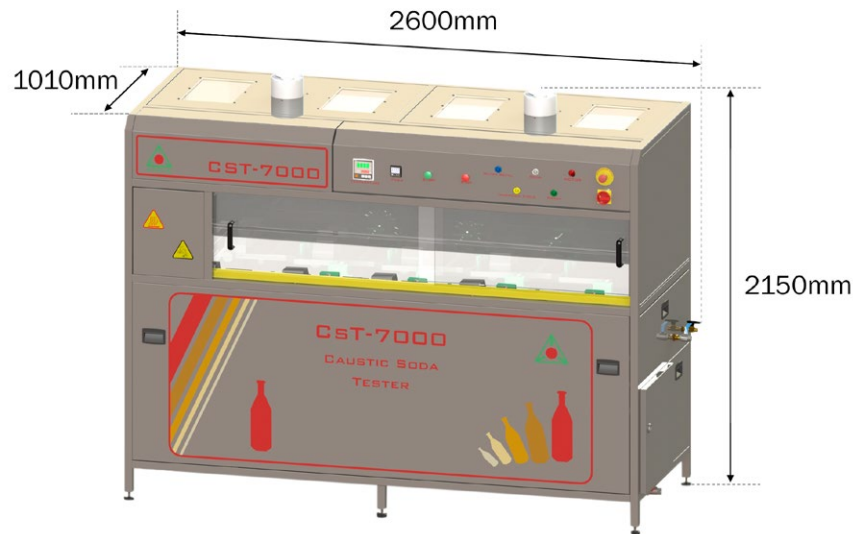
Temperature and test time are adjustable, the operator is protected from mechanical risks, by means of magnetic sensors that disconnect the mechanism if the doors are open, in the upper part of the device, two extractors evacuate the gases produced by the rising temperature of the solution.



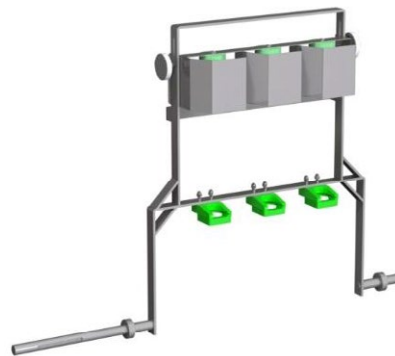
Electric connection example

After an operator place the samples on the immersion mechanisms, those are automatically sink into the solution, filling completely the samples, initiating the test timer, once the time has reached, the mechanisms return to the start position and clear out the solution of the sample, at this time, the samples are ready to be measured or evaluated for the operator.

OVERALL DIMENSIONS



The CST-7000 Structure is manufactured with stainless steel AISI 304, which includes frame, covers, immersion mechanisms and leveling elements. The solution container is built with stainless steel AISI 306, optimizing the corrosion resistance, the other components are made with engineering plastics and polyamides with excellent corrosion resistance properties.



Immersion frame CST-7000
(4 frames x 3 samples)