

Steinfurth Closure Tester

...standardised, safe environment for packaging testing

Closure Tester

Resistance against interior pressure (Proper Application Test) should be tested frequently, but at least when a new closure design is to be introduced. The Steinfurth Closure Tester gives you the opportunity to safely perform and observe this test under water in a stable plastic tank.

The second function of the Closure Tester is the so-called Top Load Vent Test. This means testing the resistance against leaking while a strong vertical force is applied to the closure, thus simulating the stacking of the containers (bottles or cans) in trays. This test, too, is performed under water in a tank.

For atomized test procedures there is need the Steinfurth IPPS.

Functional description:

PAT: Testing pressure is applied to the specimen closure, which is on the original container (or parts thereof), under water and in the tank. The behaviour of the closure (Leakages, popping off or other failures) can be safely observed from outside.

TLVT: A vertical force is applied to the container by a pneumatic cylinder. The behaviour of the container (Leakages, cracks, collapsing) can be safely observed from outside.

Downloads: Closure Tester CT4

Downloads

Closure Tester CT4

Technical Information Advantages

Pressure range TLVT: 0…10 bar
0…145 psi

Pressure range PAT: 0…16 bar
0…232 psi

Tank dimensions: 140 mm x 500 mm
(5.5” x 19.7” approx.)

Max. force (TLVT): 1256 N (approx. 282 lbf)

Media: Neutral gases • Two important testing methods combined in one device

• Leakages are visible as air bubbles

• Define specimen temperature by heated water

• Stable polycarbonate container

• Supports for glass bottle necks, PET preforms and PET bottles

• Centering weight for bottles

• Safety interlocks