

Bottle Burst Tester



Product Info :

PET material is popularly used in bottle packaging due to its flexible nature while production and higher durability and strength it offers. Due to their maximum packaging advantages, they are widely used for carrying distinct types of beverages, especially aerated drinks.

Beverages with gas mixed in them like soft drinks require pressurized packaging. PET bottles or Glass bottles are the foremost choices for packaging these beverages as they are the most suitable material that can sustain pressurized gas in them for a long time. But the drawback with glass bottles is that they are sensitive and tend to break or develop cracks easily. Hence, PET Bottles remains the most appropriate material for aerated drink packaging.

However, PET bottles must qualify for certain quality standards prior they are selected for packaging of aerated beverages.

Once the aerated liquid is filled inside and sealed packed, the bottle develops a defined pressure inside them. During long storage, the pressures remain the same. Moreover, when stored in stacks keeping one bottle on another the material experience double pressure, one which the gas exerts from inside and the vertical stacking load. Also, during transportation, the bottles are tending to shake while in a moving transport, which leads to more pressure inside. Such situations can lead to bursting of the bottle because of excessive pressure load and turn into product failure bringing a drop in brand reputation. Hence to avoid such a crisis one must ensure that the product is tested before production. Bottle burst tester helps the manufacturer evaluate the capacity of PET bottle material against increasing pressure by developing artificial calculative pressure.

TECHNICAL DATA :

- Model: PCBBTA-1
- Specimen Bottle/Container Size Range: 0 to 28 mm PCO PET Bottle
- Specimen Bottle Diameter Range: 0 to 200 mm
- Specimen Bottle Height Range: 0 to 400 mm
- Specimen Bottle Capacity Range: 0 to 3 Litres
- Pressure Gauge Output: Analogue
- Inlet Air Pressure: 0-12 Bar/ 175psi
- Power Supply Requirement: 230 V AC, Single Phase

FEATURES :

- Highly precise model delivering sensitive detection of product failure at increasing pressure
- Robust design ensures long-run performance and is flexible in use for any environment
- Specifications can be customized as per client's or industry requirement
- Analogue model allows easy operations
- Allow a wide range of bottles/containers to be tested with distinct shapes and sizes

Our Valuable Customer



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