

OPENING PERFORMANCE TEST



For the beverage filler and the closure manufacturer, the opening performance of twist closures is an important quality parameter. The OPT 180 opens a closure quickly which can be repeated on the original thread. Meanwhile, it records torque, rotation angle, vertical movement, pressure and temperature. The OPT doesn't exert any vertical force on the closure, making a blow-off-effect clearly visible. The recorded data is transferred to a PC and evaluated there.

Description

A cut preform or bottle neck is fitted to a test bottle. The gas volume is adjusted by filling the bottle. The OPT 180 doses the bottle, pressurizes the test bottle and opens the closure after a short period of time.

Advantages

- Test on original thread with test bottle
- Test with original beverage possible
- Adjustable gas volume and pressure
- Repeated testing results
- Recording of torque, rotation angle, vertical movement, pressure and temperature
- Closing mode with defined torque
- Simple blow-off detection
- Menu-based user interface
- Programmable test parameter
- Safety door

Technical specifications

- Opening revolutions: ≤ 180 rpm
- Torque: -20 to 20 in-lbs
- Pressure: -1 to 9 bar (-14.5 to 130 psi)
- Temperature: -5 to 95 °C (23 to 203 °F)
- Vertical movement: 0 to 80 mm
- Scanning speed: 100 Hz
- Ambient temperature: 0 to 40 °C (32 to 104 °F)