STEINFURTH®
Electromechanical Measuring Systems

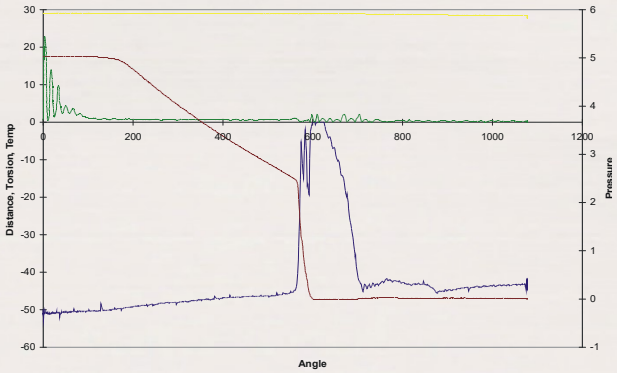
OPENING PERFORMANCE TESTER 180

…Standardised automatic testing of bottle closures and finishes

The OPT 180 opens a bottle closure with adjusted repeatable speed on the original thread finish. Meanwhile, it records torque, rotation angle, vertical movement, pressure and temperature. The OPT doesn't exert any vertical force on the closure, making a possible blow-off-effect clearly visible. The recorded data is transferred to the PC and evaluated for standardised opening performance conditions.

BENEFITS:

- Test on original bottle thread
- Test with original beverage possible
- Adjustable gas volume and headspace pressure
- Reproducible procedures and testing results
- Simultaneous recording of torque, rotation angle, vertical movement, pressure and temperature
- Closing mode with defined torque
- Simple blow-off detection
- Programmable test parameters
- Safety door



For beverage filler and closure manufacturer, the opening performance of twist closures is an important quality parameter.

OPERATION:

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

TECHNICAL DATA:

Opening revolutions:	≤ 180 rpm
Torque:	-50...50 in-lbs
Pressure:	-1...9 bar (-14.5...130 psi)
Temperature:	-5...95 °C (23...203°F)
Vertical movement:	0...80 mm
Scanning speed:	1 ms
Ambient temperature:	0...40°C (32...104°F)

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