



POROLUX™ BP Bubble Point Tester



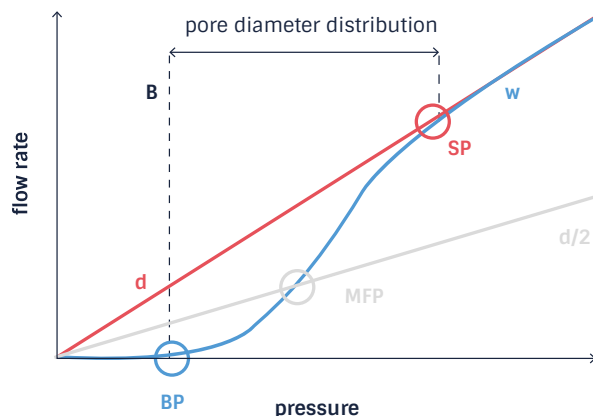
The POROLUX™ BP is a bubble point tester, used to measure the largest pore size – often referred to as ‘bubble point (BP)’ – in media that are used for filtration and separation applications.

The ASTM F-316-03 standard defines the BP as ‘the pressure at which the first continuous stream of gas bubbles is detected’. While this is based on visual detection, the POROLUX™ BP now offers a fully automated way to determine the bubble point.

The bubble point is especially important in applications, such as filtration, when certain solutes must be retained. The POROLUX™ BP offers quick, accurate and reproducible results on the BP dPL (bubble point measured as a deviation from the linearity of a user defined pressure increase) and BP x-ml (bubble point measured at a user defined flow rate). This makes the instrument indispensable for quality control and/or R&D for many filtration and filter media manufacturers.

Key features

- Measurable bubble point range from ca. 500 µm down to 0.13 µm ⁽¹⁾
- Standard pressure range from 0 to 5 bar (75 psi)
- Two ways to measure the bubble point:
 - BP dPL is the bubble point measured as a deviation from the linearity of a user-defined pressure increase
 - BP x-ml is the bubble point measured at a user-defined flow rate
- 1 sample holder of 25 mm diameter for sample thicknesses up to 3 mm
- Touch screen control unit
- Automated bubble point detection according to
- ASTM F-316-03 standard



Measuring curves and resulting parameters in Capillary Flow Porometry
 w = wet curve
 d = dry curve
 d/2 = half-dry curve
 BP = largest pore
 MFP = mean flow pore
 SP = smallest pore



POROLUX™ BP technical specifications

	POROLUX™ BP
Measurement mode	Bubble point only
Max pressure	5 bar/75 psi
Min pore ⁽¹⁾	0.13 µm
Max pore ⁽¹⁾	300 µm
Max flow	150 ml/min
Bubble point	BP dPL and BP x-ml ^(*)
Dimensions (DxWxH)	350x400x350 mm
Weight	10 kg

(1) depending on the wetting liquid

(*) BP dPL is the bubble point measured as a deviation from the linearity of a user defined pressure increase. BP x-ml is the bubble point measured at a user defined flow rate.

About us

For more than 15 years, we have been manufacturing porometers of the highest quality and reliability. All of our porometers have been completely designed and built in-house, using the latest techniques and materials. This enabled us to create an installed base of hundreds of instruments around the world, both in R&D and quality control labs in corporations, universities and research centers.

Experts in porometry

Purchasing a porometer does not only mean acquiring a device, it also guarantees lifelong support and advice from our team of porometry experts. Measuring daily in our labs allows us to gain a lot of knowledge and insights in porometry. Knowledge we like to share with our customers by, amongst others, helping to find the right settings for the samples.

Wide range of solutions

As our porometer range covers all common capillary flow techniques – including gas liquid and liquid liquid porometers – and measurement methods (pressure scan and pressure step stability), we can offer the best porometer solution for any given application.

What's more, our porometer portfolio covers the widest possible pore size range: from 2 nm up to 500 µm. Potential clients that aren't sure which porometer is right for them, are welcome to have some samples analyzed free of charge by our specialized application labs.



Global presence

Porometer has a global presence, with manufacturing sites, labs and offices in Europe, USA and China. Furthermore, we have an extensive network of highly trained distributors around the globe. This enables us to provide a first-class service anywhere in the world and to quickly follow up on any technical questions.



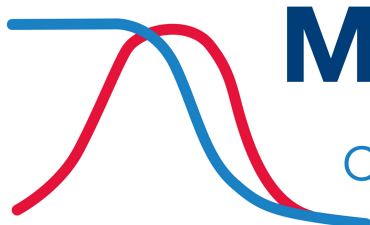
Part of Aptco Group

Our instruments are designed and manufactured in-house by our engineering and production department in Germany. Porometer is a brand of Aptco Technologies, a manufacturer of measurement instruments and testing equipment for academic and industrial quality control and research labs.



Aptco Technologies is part of Aptco Group, an international technology group of companies active in the distribution, manufacturing, servicing and calibration of scientific instruments and equipment for industrial, medical and academic laboratories.

Some of our customers



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