SEEBACH - Bubble Point Test Stands

Bubble Point Test Stands are used to assess the quality of cleaning of filter elements. After carrying out the cleaning, the cleaned filter elements should achieve: a bubble point of at least 95% of the origin value of the new filter element, a homogeneous bubble image and the original weight.

The Seebach Bubble Point Test Stand consists of a table with receptacle (rectangular for filter cartridges / round for filter discs) for receiving the test liquid and the filter elements, a hand controller for pressure adjustment, a water column to display the pressure, a holder for the test filter elements and a drip tray for the filter after testing. A second table completes the testing process by cleaning the tested filter elements of test fluids by rinsing with demineralized water.

Technical details:
1 x test table with supply and drainage tank
1 x test vessel for filter cartridges or filter discs
1 x connection to water supply

Optional
• Automatic tension device for a series test of filter discs
• Flow control (10 LPM Test)

Bubble Point Test:
The Bubble Point Test is an important test in the assessment of industrial filter elements. A common misconception is that the bubble point measures the filter fineness of a filter element. Bubble point however measures the pressure at which the bubble emerges from a filter element and is an important tool in assessing the homogeneity and quality of filter elements under increasing degrees of pressure.

How does a Bubble Point Test work?
A filter element is inserted into a liquid at very low surface tension (i.e. Standard isopropyl alcohol) until it is completely submerged and filled by the liquid (i.e. liquid is 25mm above the element). This pressure value (from the first bubble) can be approximately calculated into a pore pressure meter, which corresponds roughly to the largest pore in the system. Once the initial value of the filter medium is known, a 20% lower value for the complete filter element can be assumed for faultless processing. Thereafter the bubble images can be analysed while increasing the air flow to determine whether the filter has a homogeneous filter performance.
Seebach GmbH

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Tailor made filtration solutions designed and manufactured in Germany.
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Seebach filtration solutions stand for effectiveness, flexibility, sustainability and reliability.
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