

Bubble-Point™

Filter Integrity Tester



The LabLogic Bubble Point Filter Integrity Tester is a simple to use and compact system which is compatible with most commonly used filters.

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LabLogic

EXPERIENCE & EXPERTISE

Ensuring the integrity of sterilising filters

The integrity testing of sterilising filters is a fundamental requirement of critical process filtration applications in the pharmaceutical and PET industries. The ultimate measure of a sterilising filter's performance is bacterial retention.

The most widely used non-destructive integrity test is the bubble point test. The bubble point test exploits the fact that liquid is held in the pores of a filter by surface tension and capillary forces. The minimum pressure required to force liquid out of the pores is a measure of the pore diameter. The bubble point test detects minor filter defects and out-of-size pores and correlates with the bacteria passage test.

The bubble point test is a sensitive visual technique performed routinely as part of the suite of product release tests in PET radiopharmaceutical production centres.

Key Features

- Integrated and compact system.
- Compatible with most filters used for critical process filtration applications.
- Luer lock filter connection for ease and speed of connection.
- Simple air line connection mechanism.
- Calibrated reference gauge.
- Easy-clean anodised surfaces.
- Clearly visible water beaker for identification of bubble point.
- Optional leaded acrylic shield for radiation protection.
- Fine pressure adjustment.
- Can be mounted inside a fume cupboard if necessary.
- Option for complete system IQ/OQ validation.

Specifications

Bubble Point Test: 0 - 6895 mbar (0 - 100 psi)

Maximum Gas Supply Pressure: 6895 mbar (100 psi)

Pressure Gauge Working Temperature Range:
-40°C to +60°C (-40°F to +140°F)

Size: 310 mm (W) x 250 mm (D) x 430 mm (H)

Weight: 3.5 kg (without shield), 6 kg (with shield)



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