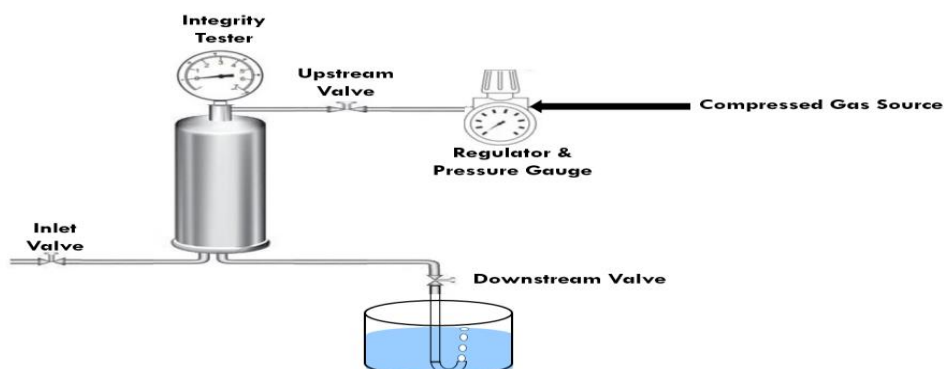


Manual Integrity Tester



INTRODUCTION

A simple to use and compact system which is compatible with most commonly used filters, Ensuring the integrity of sterilising filters

The integrity testing of sterilising filters is a fundamental requirement of critical process filtration applications in the pharmaceutical 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 Biopharmaceutical industries. Measuring the bubble point requires installing the filter(s) into a housing and making sure they are fully wet out with the required fluid (usually water for hydrophilic filters or an alcohol/water mixture for hydrophobic filters). The housing is connected to an upstream air source, and the downstream line is directed into a vessel containing water in which bubbles could be seen. The upstream pressure is slowly increased until a steady stream of bubbles is observed in the downstream vessel. Verifying that this bubble point meets the manufacturer's specifications indicates that the filter is undamaged and suitable for use.

FEATURES

- Integrated compacted System.
- Compatible with most filters used for filtration applications.
- TC connection for ease and speed of filter connection.
- Simple airline connection mechanism.
- Calibrated reference gauge.
- Easy-clean anodized surfaces
- Clearly visible water beaker for identification of bubble point
- Fine pressure adjustment
- Easily Assemble and dis-assemble user friendly

APPLICATION

The Pharmaceutical Industry
The Biotech Industry
The Chemical Industry
The Machinery Industry

TECHNICAL SPECIFICATIONS

Model No.	EMITBP10
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
Weight	~ 5 kg over all

SUPPORTING DOCUMENTS

Certificate of Conformity
Calibration Reports
User Manual
IQ, OQ Documents