

MediBLUE Pre-set

Vacuum dye, penetration leak detection system designed for the testing of packaging seal integrity within laboratory and manufacturing environments.



The MediBLUE automates the industry standard Methylene Blue Dye test, where packaging is submerged into a blue dye solution. The test chamber is then placed under a vacuum that forces air from any openings within the pack. After returning to an ambient pressure, the dye will penetrate and be evident within the pack should any holes be present.

Blue dye testing has proven to be a popular package leak detection option within industries such as pharmaceutical, medical devices and consumer products. This is due to its simple, valid and reliable results, in addition to low capital costs.

Based on a discrete electronic circuit design, the MediBLUE does not require any software validation. The system is supplied pre-set with parameters, as specified by the users S.O.P. Both audible and visual alarms are integrated into the instrument, to alert the user at the end of each test cycle.

Available in cGMP stainless steel or basic powder coated enclosures. Additional optional extras include an electric vacuum pump, external set-up and monitor box.



Though highly configurable to suit individual customer requirements, the MediBLUE range possesses a number of standard features to enhance functionality.

- Low cost
- Pre-set vacuum hold and dwell parameters
- Does not employ software

- Audio and visual indicators
- Fully automated
- Vacuum and timer outputs

Applications



Pharmaceutical Packaging - e.g. blister packs, filled sachets, bags, tubes and syringes



Medical Devices - e.g. blister trays, testing kits, implants and pouches



Consumer Products – e.g. cleaning, pet, sexual health, toiletries and cosmetics

Specification

MediBLUE	Methylene Blue Dye leak test Custom configurations available for casing (cGMP stainless steel or powder coated) and pump (vacuum generator or electrical vacuum)
Vacuum Range	0-750 mbar vacuum
Vacuum Hold Time	0.5-499 seconds
Dwell (Penetration) Time	0.5-499 seconds
Voltage	100/240V, 50-60Hz
Compressed Air	5.5 bar at 200l/min (vacuum generator models only)
Dimensions	150(H) x 350(W) x 300(D) mm - Basic model 280(H) x 350(W) x 300(D) mm - cGMP model
Material	Grade 304 stainless steel or powder coated casework
Standards	CE marked