

# MediBLUE Programmable

**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.

The MediBLUE programmable is an alternative to the pre-set manual MediBLUE system and allows the user to set the Test Vacuum, Vacuum Hold and Ambient Dwell times during packaging development process to determine the optimum test conditions. The system can be locked into a Run mode, preventing any unauthorised changes to the test method.

When in operation there are both audible and visual alarms are integrated into the instrument, to alert the user at the end of each test cycle. A colour touch screen programming interface and manual Start / Reset and Access key further enhance usability.

Available in a powder coated enclosure and internal vacuum generator. Additional options include cGMP stainless steel enclosure and an external electric vacuum pump.

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

- Colour touchscreen programming interface
- Low cost
- Configurable vacuum, vacuum hold and dwell parameters
- Audio and visual indicators
- Fully automated
- Test parameter and data output

## 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	
<b>MediBLUE</b>	Programmable Methylene Blue Dye leak test controller and vacuum desiccator test chamber. Custom configurations available for casing (cGMP stainless steel or powder coated) and pump (vacuum generator or electrical vacuum)
<b>Vacuum Range</b>	0-750 mbar vacuum
<b>Vacuum Hold Time</b>	1-10,000 seconds
<b>Dwell (Penetration) Time</b>	1-10,000 seconds
<b>Voltage</b>	100/240V, 50-60Hz
<b>Outputs</b>	2 USB 1 RJ 45 network
<b>Compressed Air</b>	5.5 bar at 200l/min (vacuum generator models only)
<b>Dimensions (Controller) Test Chamber</b>	235(H) x 435(W) x 355(D) mm - Basic model 310(H) x 270 mm diameter
<b>Material</b>	Powder coated aluminium 304 stainless steel available on request
<b>Standards</b>	CE marked