



Microbiology
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Whitley Workstations Whitley A45 Anaerobic Workstation



The new Whitley A45 Anaerobic Workstation has been created by listening continually to our customers and with the benefit of 30 years of experience in designing and manufacturing workstations – and fulfils the diverse needs of both our research and clinical customers.

Even with a relatively small footprint we have been able to maximise incubation capacity and create the perfect controlled environment, for small or large sample numbers.

Complete with a built-in, rapid airlock and an intuitive touchscreen control panel, our new workstation also allows you to work completely glove and sleeve free because the A45 Workstation is fitted with our instant access porthole system – eliminating any need for sleeves or gloves.

Sample manipulation within a secure anaerobic environment is now as easy as working aerobically at the laboratory bench. Both the working and storage areas of the chamber are temperature controlled with an impressively low temperature gradient throughout. This allows the full internal chamber volume to be used for incubation.

Our Instant Access Porthole System eliminates gloves and sleeves - and uses eight times less gas when entering the workstation than conventional porthole systems

Rapid, built-in airlock with mechanical and electrical interlocks - no risk of compromising conditions inside the chamber, flushed with nitrogen as an additional cost saving

Innovative touch screen interface with password protected user levels

Modern, ergonomic design

Dual gas operation

Automatic commissioning cycle

Automatic de-humidity control system – utilising a solid state thermoelectric cooler - no user maintenance necessary

Available with integrated Anaerobic Conditions Monitor





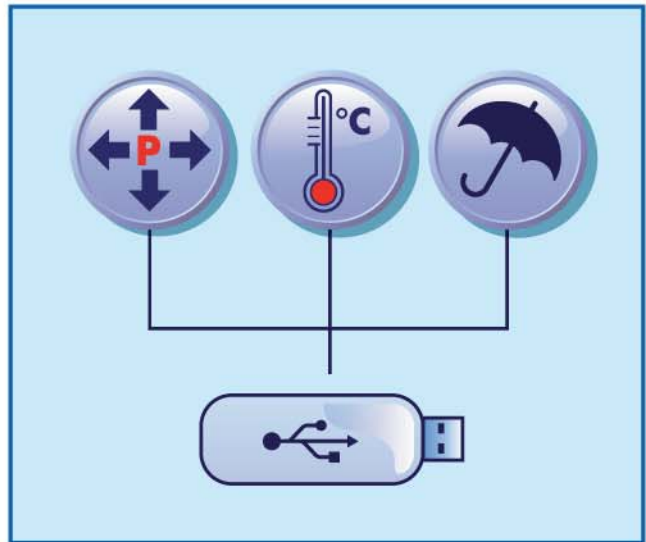
Optional easily removable front for equipment transfer, bulk sample transfer and thorough cleaning



Optional 15cm Letterbox - Ideal for introducing individual samples quickly.



Optional internal country-specific mains power sockets.



Convenient USB memory stick download of temperature, humidity and internal pressure parameters.



Intuitive operational software accessed via a full colour touch screen interface



Basket Tag Set

The Whitley A45 Anaerobic Workstation is fitted with our patented Instant Access Porthole System



The integral 12 litre, rapid-cycle airlock has the capacity to introduce up to 40 Petri dishes or small items of equipment into the workstation in 60 seconds.

An optional 15cm letterbox can be specified, ideal for quickly transferring all sizes of dishes and small items.

Factory-Fitted Options

A07205 Removable Front - Permits thorough cleaning and sanitising and enables users to introduce or remove items of equipment and bulk quantities of samples quickly and easily. Recommissioning after replacement takes less than one hour.

A06103 15cm Letterbox - Ideal for introducing small quantities of samples quickly.

A06106 Double Internal Socket - (1 Amp maximum)

A02945 Spare Cable Gland - The standard cable gland allows cables and probes (3mm - 7mm in diameter) to be introduced into the chamber without compromising internal conditions. More than one gland can be fitted. Glands to accommodate larger diameters are available, please discuss with our technical staff.

A07201 Anaerobic Conditions Monitor (includes data logging) - Provides confirmation that anaerobic conditions exist inside the workstation and an early indication if conditions begin to vary.

Software/Accessories

A07200 Data Logging - For temperature, humidity and chamber pressure.

A07202 Trolley - Our custom-designed trolley frees up bench space and allows the workstation to be moved easily.

A06114 Internal Storage Tray / maximum of 2 per unit - One or two trays can be positioned under the shelf. This is either a factory-fitted option or trays can be fitted on-site.

A00006 Gas Leak Detector

A02750 Basket Tag Set - Enables users to colour code individual stacks of Petri dishes. Notes can be written on the reusable tags using either water soluble or permanent markers.

A02534 10 Plate Petri Dish Rack

A45 Instant Access Portholes - just three easy steps to use



About Don Whitley Scientific

For over thirty years we have pioneered the development and use of modified atmosphere workstations for microbiology and cell culture applications

More than 2500 of our workstations are in use in fifty countries

Worldwide technical support

Scientific guidance available from our own in-house contract laboratories

A major advantage of the Instant Access Porthole System is that it uses eight times less gas when entering the workstation compared with a conventional porthole system. The airlock is flushed with nitrogen as an additional cost-saving.

The A45 is available with a fully integrated Anaerobic Conditions Monitor. This factory-fitted option displays real time oxygen levels using coloured segments - green, amber or red - depending upon the percentage of oxygen present. The data gathered can be downloaded for further analysis.

Whatever your application, we can tailor the Whitley A45 Workstation to your requirements. For example, if you want to be able to use electrical equipment inside the chamber, you could include the option of an internal double electrical socket. If you require the ability to thoroughly sanitise your workstation between experiments or need to introduce large items of equipment, you may want to specify the optional removable front.

The A45 Anaerobic Workstation will accommodate between 700-900 x 90mm Petri dishes depending on whether plate carriers are used and which accessories and system options have been incorporated.

Specification

A07000	230V	Whitley A45 Anaerobic Workstation External dimensions (L x H x D) 1650mm x 710mm x 720mm
A07001	115V	



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