



don whitley  
scientific  
excellence in microbiology

## Anaerobic Microbiology Whitley Anaerobic Workstations



Anaerobic culture stations are now an important feature in microbiology laboratories. When there is a need to easily process, culture and examine samples without exposure to atmospheric oxygen, a Whitley Workstation provides the solution.

To provide the ideal workstation for every user, we have designed a modular and upgradeable system offering a completely unrivalled level of flexibility.

Every aspect of system functionality has been considered for you: size, shape, proportions, internal dimensions, control panel layout, viewing panel and multi-functional port system. This system has been designed with your comfort and convenience in mind.

**The Whitley Workstation System is flexible, efficient and easy to use**

**Two chamber sizes and three airlock variations are available - design your own system**

- **Multi-functional porthole system allows for sample transfer as well as operator entry**
- **Automatic humidity control system means no user maintenance necessary**
- **Ergonomic design for user comfort**
- **Most servicing can be carried out whilst internal atmospheric conditions are maintained, avoiding down-time**
- **Interior lighting**
- **Patented detoxification system to prolong catalyst life**
- **Corrosion resistant**
- **Customised support trolley available**

## The features of a Whitley Workstation

**Choose from two chamber sizes to suit your sample throughput levels and laboratory requirements**



**The MG500 accommodates 540 x 90mm plates and provides a generous working area**



**The MG1000 accommodates 1080 x 90mm plates and provides a generous working area**

**Whitley Workstations are used in more than 50 countries for the isolation of anaerobes from food, water and medical samples**

**We listen to our customers to ensure innovative new designs**

**Modular, upgradeable design ensures your capital investment can grow with the needs of your organisation**

Each porthole is oval in shape for maximum comfort in use and, uniquely, provides a means of both sample transfer and operator entry and exit. The portholes can be used as mini airlocks to transfer up to 40 x 90mm dishes at the same time as an operator's arms are inserted or withdrawn from the workstation.

The portholes are opened using a wireless footswitch and an automated mechanism provides a gas-tight seal after closing.

Both sizes of workstation operate on one cylinder of conventional anaerobic gas mixture – 10% hydrogen, 10% carbon dioxide and 80% nitrogen.

A high level of illumination is provided within the chamber, the intensity of which can be adjusted by the operator.

All internal fittings have been designed to make intelligent use of the available space, whilst ensuring unimpeded arm movement.

Whitley Workstation chambers are constructed primarily from cast acrylic sheet, offering excellent optical, insulative and corrosion-resistant properties. Every chamber is heat-treated several times during manufacture to relieve the stresses induced by forming, cutting and polishing, to increase the durability of the fabricated structure and to ensure a long and maintenance-free working life.

## Workstation features

Multi-functional porthole system used for both operator entry and sample transfer

Automated humidity control system with no user maintenance necessary

Low running-costs

Bare hands working – latex-free sleeves available

Dual intensity lighting

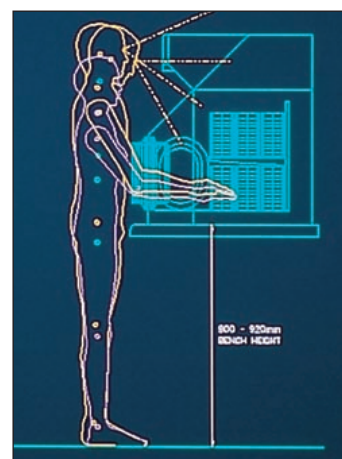
Anotox™ – our patented detoxification system – provides the best possible growth conditions and prolongs catalyst life

Bespoke trolley available

Most routine servicing is carried out whilst internal atmospheric conditions are maintained, avoiding down-time in busy laboratories.



**Multi-functional porthole system with latex-free sleeve option**



**Careful attention to ergonomic design considerations ensures user comfort**

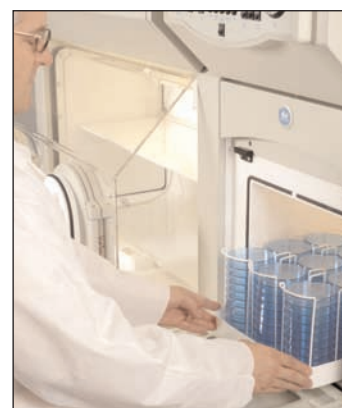
## Airlock features

An airlock can be incorporated either when building a workstation or as an upgrade module to add to an existing Whitley Workstation

A pull-out tray permits easy transfer of samples from laboratory to workstation

The automated flushing cycle can be interrupted



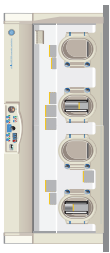
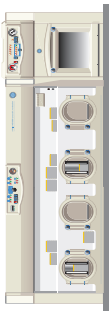
If an airlock is ordered at the same time as an anaerobic workstation, the system can be manufactured to operate on either anaerobic mixed gas or separate cylinders of hydrogen, carbon dioxide and nitrogen



**With an airlock, a pull-out tray permits easy transfer of samples from laboratory to workstation**

*Anotox is a registered trademark of Don Whitley Scientific Limited*

# Whitley Anaerobic Workstation System Variations

Multi functional porthole system	Incubation capacity	Physical dimensions	Weight	Atmospheric conditioning system	Gas requirements	Automated humidity control	Wireless footswitch
 <p>Up to 20 plates per porthole with gas flush facility</p>	<p>Maximum 540 plates</p>	<p>1040mm L 800mm H 760mm D <i>Bench depth requirement</i></p>	<p>100kg</p>	<p>✓</p>	<p>1 x ANO<sub>2</sub> 10% H<sub>2</sub> 10% CO<sub>2</sub> 80% N<sub>2</sub></p>	<p>✓</p>	<p>✓</p>
 <p>Up to 20 plates per porthole with gas flush facility</p>	<p>Maximum 450 plates</p>	<p>1570mm L 840mm H 760mm D <i>Bench depth requirement</i></p>	<p>155kg</p>	<p>✓</p>	<p>1 x ANO<sub>2</sub> or 3 separate cylinders of H<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub></p>	<p>✓</p>	<p>✓</p>
 <p>Up to 20 plates per porthole with gas flush facility</p>	<p>Maximum 1080 plates</p>	<p>1885mm L 800mm H 760mm D <i>Bench depth requirement</i></p>	<p>175kg</p>	<p>✓</p>	<p>1 x ANO<sub>2</sub> 10% H<sub>2</sub> 10% CO<sub>2</sub> 80% N<sub>2</sub></p>	<p>✓</p>	<p>✓</p>
 <p>Up to 20 plates per porthole with gas flush facility</p>	<p>Maximum 990 plates</p>	<p>2415mm L 840mm H 760mm D <i>Bench depth requirement</i></p>	<p>230kg</p>	<p>✓</p>	<p>1 x ANO<sub>2</sub> or 3 separate cylinders of H<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub></p>	<p>✓</p>	<p>✓</p>

In the interests of a policy of continuous product and design improvement, the company reserves the right to alter product specifications, materials used or method of manufacture without prior notice.  
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