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Whitley Workstations H35 HEPA Hypoxystation

Your environment defined®

The H35 HEPA Hypoxystation is a cell culture workstation ideal for those requiring internal HEPA filtration as well as a need to create normoxic, hypoxic and anoxic conditions. This workstation is ideal for all research requiring the ability to accurately control and sustain oxygen, carbon dioxide, temperature and humidity levels.

With such accurate control and the ability to manipulate cells in situ without altering the incubation environment, cell biology research can be performed over a comprehensive range of oxygen tensions with precision and total confidence.

The H35 HEPA Hypoxystation is fitted with the unique Whitley Internal HEPA Filtration System. **All** of the atmosphere in the chamber passes through the filter every four seconds, ensuring particulate contamination is swiftly removed. Placing the filters inside the workstation prevents the filter becoming saturated. Rather than use off-the-shelf filters, DWS has worked with one of the world's leading filter manufacturers to develop a filter specifically tailored to suit this Hypoxystation.

Levels of atmospheric cleanliness inside the workstation exceeds the requirements of ISO 14644-1 Class 3. We can provide proof of atmospheric cleanliness. Because the H35 HEPA Hypoxystation is fitted with a fan that circulates the internal atmosphere continuously, even temperature distribution is maintained and any internal particulate will be in motion.



O₂ levels monitored continually to provide you with better control and more confidence in your results

Unique Whitley Internal HEPA Filtration System - exceeds the requirements of ISO 14644-1 Class 3

Designed specifically for researching cell biology under strictly maintained normoxic, hypoxic and anoxic conditions

Precise control designed to establish and maintain the environmental conditions you require throughout the incubation and working areas

Gas mixing achieved via a fully integrated control system to rapidly create your selected environmental conditions

Integrated gas control minimises bench space requirements - no bulky external gas mixing system

Optional Automatic Humidification System



www.hypoxystation.co.uk

Hypoxystation

your environment defined

Easily removable front for equipment transfer and thorough cleaning



15cm Letterbox - Ideal for introducing individual samples quickly.



Optional internal power sockets



12 litre rapid cycle airlock



H35 HEPA Hypoxystation with removable front

Factory Fitted Options

Ao6102 Vacuum Take-off - Provides a method of aspirating used liquid media from inside the workstation in safety and without the risk of spillage or contamination.

Ao6103 15cm Letterbox - Ideal for quickly introducing small quantities of samples.

Ao6104 Whitley Automatic Humidification System - Adds moisture in a fine plume of steam enabling rapid, sustained and accurate humidity control.

Ao6106 Double Internal Socket - (1 Amp maximum)

Ao6107 Gas Sample Port - This allows the user to take a sample of the workstation atmosphere for analysis.

Ao2945 Spare Cable Gland

Ao6128 Large Additional Cable Gland

Upgrades and Accessories

A06110 Trolley - Custom-designed trolley frees up bench space and allows the Hypoxystation to be moved easily between laboratories.

A03120 Catalyst - Required when you want to create anoxic conditions in the workstation.

A02129 Anotox - Use in conjunction with Catalyst to maintain anoxic conditions.

A06113 Light Tight Cover - A close fitting impervious-to-light cover for the front of the workstation. Ideal for applications where exposure to sunlight or ambient light could effect results.

A06114 Internal Storage Trays - One or two trays can be positioned under the shelf. This is either a factory-fitted option or trays can be fitted on-site.

A06116 Automated Sleeve Gassing System - Automated system for evacuating as much air as possible from the sleeves to maintain internal conditions before entering the workstation.

A02820 Sleeve Kit - With latex wrist seals

A02830 Sleeve Kit - With Neoprene wrist seals (standard)

A02840 Sleeve Kit - With Neoprene wrist seals (large)

A06127 Short Internal Shelf

A06129 JuLI Cell Analyser

A07211 Workstation Spotlight

L00040 Temperature Mapping

A02643 Anotox Sachet Cradle

A06126 Zeiss Primo Vert Digital Inverted Microscope

A04553 Catalyst Holder



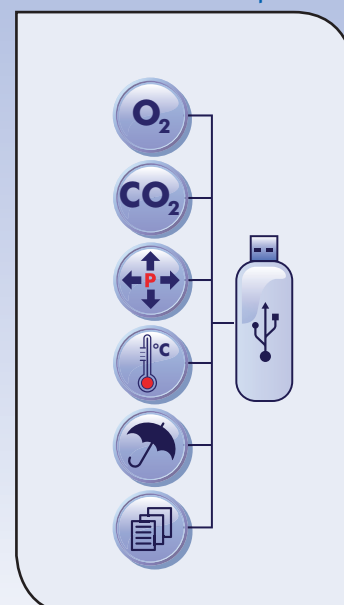
Simple oxygen sensor calibration without removing the sensor from the chamber



Wireless footswitch for convenient operation of porthole sequences



Convenient USB memory stick download of stored environmental parameters



Software Options

A06109 Data Logging - Allows the data recording of environmental parameters inside the workstation - oxygen, carbon dioxide, temperature and humidity levels and cabinet internal pressure. The collected data can be down loaded via a USB interface to a memory stick and transferred to a PC for further analysis.

A06108 Data Logging with Oxygen Profiling - Allows the user to pre-programme different oxygen levels. The user can determine how long the workstation atmosphere remains at a particular oxygen level, when to return to a previous level, remain static or adjust to a different oxygen concentration.

About Don Whitley Scientific

For over thirty years we have pioneered the worldwide development and use of workstations.

Worldwide technical support.

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

Scientific guidance available from our own in-house contract laboratory facilities.

Image courtesy of BD Biosciences



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Product details

The H35 HEPA Hypoxystation is the ideal product for cell culture research and replicates conditions comparable to those occurring in vivo.

The Hypoxystation features an integral airlock, environmental control systems, touch screen layout, a removable front, CO₂ monitoring and our unique glove port system. This workstation has been designed to ensure ultimate performance combined with user comfort, convenience and reliability.

You will have the option to:

- Control O₂ in 0.1% increments from 0.1% to 20%
- Control CO₂ in 0.1% increments from 0.1% to 15%
- Carry out straightforward calibration of gas sensors
- Control temperature easily and precisely
- Control relative humidity up to 80%

The Hypoxystation has been designed to combine functional reliability with operational comfort.

- Touch screen interface:
 - Allows you to easily monitor all parameters simultaneously
 - Eliminates the need for any other dials, switches and gauges
- Removable front as standard to facilitate thorough cleaning and the transfer of larger pieces of equipment.
- Airlock provides effective cell ware transfer to and from the workstation environment in the fastest possible time
- Patented, ergonomic gloveports allowing gloved or bare hand working
- Each unit manufactured to suit the needs of your particular area of research

Specification

A06060	230V	Whitley H35 HEPA Hypoxystation Product dimensions (L x H x D) 1255mm x 710mm x 810m
A06061	115V	

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