

IMPORTANT INFORMATION TO READ and RETURN

Installation Requirements for a Whitley A95 Anaerobic Workstation

Thank you for choosing one of our products for your laboratory. To enable our engineers to perform an efficient, trouble-free installation please study, complete, and email this form to us at service@dwscientific.co.uk. Should you have any questions, please do not hesitate to contact us, as we are here to help. When we have received the completed form, our Service Department will contact you to arrange a mutually convenient installation date.

**The following information represents the ideal requirement.
Please contact us IMMEDIATELY if your intended location does not match this specification.**



Access Requirements

For access, the dimensions below should be taken into account when checking the size of doorways, lifts, stairs, etc.

Space Requirements

The weight of the equipment is 207kg (or 230kg if fitted with the Whitley Internal HEPA Filtration System). If bench mounted, the bench allocated must be flat, level and of sufficient size to support the base fully.

External Dimensions*

Width (mm)	Depth (mm)	Height (mm)
2415	760 (or 845 if HEPA option fitted)	840

* Please Note:

In addition to the dimensions noted above, allow a localised protrusion of 90mm at rear of non-HEPA workstations to accommodate gas supplies. If bench mounted, a further minimum clearance of 500mm is required above the unit and a minimum clearance of 200mm at the left hand side of the unit is required for user/service access.

The A95 will be shipped in two parts (the airlock separated from the chamber) to facilitate delivery to your laboratory (negotiating lifts, corridors, doorways, etc). The chamber assembly is 1800mm wide, 730mm deep and 810mm high. The chamber assembly height could be reduced by a further 218mm if the top box is removed. The airlock is 530mm wide, 520mm deep and 840mm high.

Gas Requirements

The incoming gas supplies must be terminated near the right hand side of the main chamber and fitted with leak-proof taps and pressure gauges.

The gas lines to which the equipment is attached are the responsibility of the user and should be constructed, tested and maintained to the standards specified within the British Compressed Gasses Association (BCGA) Code of Practice CP4 (or international equivalent). Gas lines previously used for flammable gases must be purged prior to re-use.

Regulators should be fitted in accordance with the information contained in the table below and the various pressures strictly adhered to. Two cylinders are required: one cylinder of special anaerobic gas mixture (ANO₂) – containing 10% hydrogen, 10% carbon dioxide and 80% nitrogen) – and one cylinder of industrial grade oxygen free nitrogen.

Gas Type	Connection Details	Cylinder Regulator Required	Regulator Outlet Range	Flow Rate
Anaerobic Mixed Gas**	¼" BSP male fitting or connection for 6mm Polyurethane tubing Hydrogen/Anaerobic Gas Mixture Regulator – Two Stage – order Code A01745	Hydrogen Two stage	4 - 6 bar (60-90 psi)	150 litres per minute (dynamic)

Nitrogen	¼" BSP male fitting or connection for 8mm Polyurethane tubing Nitrogen Regulator – Two Stage – order Code A01748	Nitrogen Two Stage	4 - 6 bar (60-90 psi)	150 litres per minute (dynamic)	<input type="checkbox"/>
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** (10% H2, 10% CO2 and 80% N2 preferred). If 5% H2 is required, please refer to Technical Note MA105 for details.

Suitable Connection Types (to affix to gas outlets on bottle/wall):



Push in connection **OR**
(Fittings of choice for DWS. Supplied with DWS spares kit).



Push on connection
(Customers' own preference. Not supplied by DWS).

Mains Requirements

Electricity Supply

230 +/- 10% V AC

Wall Socket

1 x Three Pin, 13 Amp

Other Considerations

Although the workstation should be located in a well ventilated area, avoid close proximity to air conditioning systems and draughts caused by windows and doors.

Please make provision for additional gas to be made available for the commissioning of your workstation.

Remember, if you do not have the required regulators you can order them from Don Whitley Scientific::

- Hydrogen/Anaerobic Gas Mixture Regulator – Two Stage – order Code **A01745**
- Nitrogen Regulator – Two Stage – order Code **A01748**

Decontamination and Removal

If an existing unit is being taken in part exchange or is being removed from the laboratory, it must be de-contaminated before DWS staff handle the unit. A certificate or signed letter confirming the unit has been decontaminated must be given to our engineer.

There is a £400 fee for DWS to remove an existing unit from site. Please tick to accept this charge and an invoice will be provided.

In the UK, delivery and installation are free of charge (unless otherwise agreed). If our engineers are unable to install the unit and a return journey is necessary, **a charge may be made**. Export customers, please refer to your local distributor.

It is essential that this form is completed and returned, to avoid delay to your installation.

THANK YOU FOR THINKING WHITLEY

Signature	<input type="text"/>	Title	<input type="text"/>
Print Name	<input type="text"/>	Establishment	<input type="text"/>