

IMPORTANT INFORMATION TO READ and RETURN

Installation Requirements for a Whitley M45 Microaerobic 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: **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 130kg. If bench mounted, the bench allocated must be flat, level and of sufficient size to support the base fully.

External Dimensions*

Width	Depth	Height
<i>mm</i>	<i>mm</i>	<i>mm</i>
1660	720	710

*** Please Note:**

In addition to the dimensions stated above, allow a localised protrusion of 90mm at rear to accommodate condenser bottle, bracket, gas and electrical supplies. If bench mounted, a further minimum clearance of 500mm is required above the unit and a minimum clearance of 500mm at the right-hand side of the unit is required for user/service access.

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.

Gas Type	Connection Details	Cylinder Regulator Required	Regulator Outlet Range	Flow Rate
Hydrogen (10%) / Nitrogen (90%)	¼" BSP male fitting or connection for 6mm Polyurethane tubing. Hydrogen Regulator – Two Stage – order Code A01745	Two stage	4 - 6 bar (60-90 psi)	10 litres per minute (dynamic)
Nitrogen	¼" BSP male fitting or connection for 8mm Polyurethane tubing Nitrogen Regulator – Two Stage – order Code A01748	Two Stage	4 - 6 bar (60-90 psi)	Minimum 150 litres per minute (dynamic)

Continued overleaf/ ...

Gas Type	Connection Details	Cylinder Regulator Required	Regulator Outlet Range	Flow Rate
Carbon Dioxide	¼" BSP male fitting or connection for 6mm Polyurethane tubing. Carbon Dioxide Regulator – Two Stage – order Code A01747	Two stage	4 - 6 bar (60-90 psi)	10 litres per minute (dynamic)
Air	¼" BSP male fitting or connection for 6mm Polyurethane tubing Air Regulator – Two Stage – order Code A01554	Two Stage	4 - 6 bar (60-90 psi)	Minimum 10 litres per minute (dynamic)

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



Push in connection
(Pictured: Fittings of choice for DWS. Supplied with DWS Spares Kit)

OR



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

Mains Requirements

Electricity Supply

Wall Socket

240 Volts

1 x Three Pin, 13 Amp. Minimum 6A rating

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.

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

- Hydrogen – Two Stage – order Code **A01745**
- Nitrogen Regulator – Two Stage – order Code **A01748**
- Carbon Dioxide Regulator – Two Stage – order Code **A01747**
- Air Regulator – Two Stage – order Code **A01554**

Notes

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.

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

Title

Print Name

Establishment