

## IMPORTANT INFORMATION TO READ and RETURN

### Installation Requirements for a Whitley A85 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 fax this form to us on **01274 531197**. 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 150kg. 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>
1570	760	840

#### \* Please Note:

In addition to the dimensions noted above, allow a localised protrusion of 90mm at rear of airlock to accommodate the gas supplies. If benchmounted, 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 A85 may be shipped in two parts (the airlock separate from the chamber) to facilitate delivery to your laboratory (negotiating lifts, corridors, doorways, etc). The chamber is 1040mm wide, 760mm deep and 840mm high and the airlock is 530mm wide, 760mm 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 (ANO<sub>2</sub>) – 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
ANO <sup>2</sup>	¼" BSP male fitting or connection for 6mm Polyurethane tubing  Hydrogen/Anaerobic Gas Mixture Regulator – Two Stage – order Code <b>A01745</b>	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 <b>A01748</b>	Nitrogen Two Stage	4 - 6 bar (60-90 psi)	150 litres per minute (dynamic)

### Connection Type



Push in connection **OR**



Push on connection

### Mains Requirements

#### Electricity Supply

240 Volts

#### Wall Socket

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

### 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.

You should make provision for extra gas to be available during the commissioning of your workstation.

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