



G165 Wet Back Spray Booth

GE

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### **Installation and General Maintenance**

#### **Instructions for G165 Wet back spray booth**

Electrical Supply

220-240v single phase

Please see motor plate for full load currents.

This machine is of class SCI and must be earthed.

#### **Installation**

Site the booth in a suitable area of the studio. Ensure there is a suitable electrical supply within the reach of the cable supplied, it is not recommended to use any type of extension cables with this product.

The booth must be positioned so that there is ideally 0.5 metre free space around the exterior of the booth so as not to hinder airflow through the booth itself.



### **European Declaration of Conformity.**

**Longton Light Alloys Ltd Inc. Gladstone Engineering.  
Foxley Lane Milton Stoke on Trent ST2 7EH**

We declare that the equipment described below was manufactured to comply with directives listed.

We do not give any assurance that the equipment is suitable for any purpose other than that listed below and must be operated and maintained in accordance with our operating instructions.

#### **Products.**

G165 Wet Back Spray Booth

#### **Directives.**

LVD - Low Voltage Directive 2014/30/EU LVD

EMC - Electromagnetic Compatibility Directive 2014/30/EU

Machinery Directive 2006/42/EC

#### **Harmonized Standards.**

BS EN 292-1 , BSEN ISO 13857:2008

BSEN 60204-1

#### **Purpose of use.**

Extraction of water based materials

#### **Product serial number.**

GE

#### **Manufacture year.**

As per invoice date

Technical documentation is held for this product.

All electrical machines must be disposed off according to WEE regulations. If you do not have a WEE disposal site near you, you may return the machine to ourselves at your own cost and we will arrange disposal for you.

### **Limited 2 Year Warranty**

Longton Light Alloys Inc. Gladstone Engineering Co Ltd (to be referred to as Gladstone) **warrants to the original purchaser of new products only, (this warranty is not transferable)** that this product is free from materials or workmanship defects under normal use, **This is a one year parts and labour primary warranty, an extended parts only warranty for a second year is available upon registration** (this warranty does not cover consumables) and all products are properly maintained for 2 years from the date of Invoice.

### **Exclusions & Limitations**

The following are examples that are not covered by, and / or circumstances that will void the warranty.

Any damages or loss caused by the following, improper operation due to failure to follow instructions within the manual, natural disaster, fire, misuse, overload, accident, improper storage, inadequate maintenance or negligence, freight damage failure to report any defect within 15 days after it becomes manifest or known, servicing by anyone not approved by Gladstone, or persons acting under direct authorisation of Gladstone, any alteration of parts or design that vary from the factory design, use any parts other than genuine parts supplied by Gladstone, repair or alteration by anyone other than Gladstone or their approved agent.

This warranty is strictly limited to repair or replacement of defective parts, items may not be returned for refund or exchange, transport costs must be borne by the customer. Agents and distributors are not authorised by Gladstone to modify and/or assume any other obligations or liabilities other than expressed in this limited warranty and any such additional obligations are null and void. Any statements made by Gladstone's agents or representatives do not constitute warranties.

At the end of the one year Primary Warranty, all labour and travelling costs will be invoiced and are payable by the customer.

Gladstone shall not be responsible for any work carried out on the products without the buyer first getting written permission from Gladstone.

Gladstone shall not be liable for any incidental or consequential damages including bodily injury or death, lost profits, loss of use or other economic losses of any kind arising directly or indirectly by or resulting from the goods or their use by the buyer or any third party or from any services provided by Gladstone.

Repair or their replacement of the product shall Not extend the warranty period.

This warranty constitutes the Sole and Exclusive Warranty. Gladstone hereby disclaims all other warranties, expressed, statutory or implied, applicable to the product, including but not limited to, all implied warranties of merchantability for fitness.

The Buyer must have Gladstone's written authorisation before returning the product, properly packaged, freight prepaid to Gladstone to obtain warranty service.

Under this warranty Gladstone's Sole Obligation shall be to repair or replace the defective product or part at Gladstone's discretion.

Gladstone reserves the right to satisfy this warranty by reimbursing all payments made to Gladstone where upon all title shall pass to Gladstone upon acceptance of the returned product.

All products must be returned to Gladstone before credit or replacement can be given.

The Buyer is solely responsible for ensuring that the goods brought from Gladstone are fit for any particular purpose and no warranty or conditions of fitness for purpose is given or is to be implied in these terms.

The terms of this warranty does not affect your statutory rights.

For full conditions of sale and warranty information please request a copy.

### **Commissioning**

1. Plug the supply cable into a suitable supply. ( 13 amp fused socket).
2. Fill the tank with clean water to the level indicated on the side of the water tank.
3. The filtration bag in most cases is pre fitted if supplied separate please consult the maintenance instructions.
4. It is recommended to switch the pump unit on first and then the fan unit. On completion of operation switch the fan off first and the pump last.
5. Always spray in to the cabinet and towards the curtain of water. Stand approximately 12-18" away from the work.
6. After spraying switch off the unit as described in section four.

Do not adjust flow valve without consulting our technical department as this can invalidate your warranty

Always wear suitable respiratory face mask, it is recommended to wear suitable ear protection for.

### **Important Notice**

Under no circumstances should the pump be run dry as this will cause severe damage to the pumps seal, always ensure there is water in the tank to the appropriate level.

### **General maintenance**

It is extremely important on these type of spray booths to adhere to cleaning and maintenance schedule in order to maintain a safe working environment for the operator. It is highly recommended that the spray booth is tested on a regular basis e.g. weekly using an air velocity meter to ensure that the booth is operating at its correct performance. Before attempting any maintenance always isolate mains supply.

### **Pump unit**

The Pump is maintenance free and provided the maintenance of the booth is adhered to it should require no on going maintenance schedule.

### **Fan unit**

All bearings are sealed for life . The Fan unit will not require general maintenance in normal operating procedure so long as the maintenance schedule is adhered to . Over time glaze may build up on the fan blades which can cause vibration , the blades can be examined through the access cover for the washable pre filter and if they do require service then it is recommended to contact your nearest authorised dealer to arrange servicing of the fan unit.

### **Spray Booth general maintenance**

These requirements are only as a guide line and are dependant on use. If booth is heavily used increase time period or extend if not used very often.

There are two filters on the G165 , the Mesh pre filter cartridge located just before the fan unit access to this filter is by removing the access cover located on the side of the fan box and is marked Filter.

## **Service & Back up**

We pride ourselves on our back up and after sales service and so in the unlikely event of any problems please do not hesitate to call our staff for friendly help and advice.

## **Contact us at**

**Gladstone Engineering Ltd  
Foxley Lane  
Milton  
Stoke on Trent  
ST2 7EH**

**Tel 01782 536615  
E-mail [info@gladstoneengineering.com](mailto:info@gladstoneengineering.com)  
Web [www.gladstone-engineering.com](http://www.gladstone-engineering.com)**

The Filter bag is located at the rear of the spray booth on the fan unit and is secured via an elasticated collar around the flange of the motor.

#### 1. Weekly

Drain water tank by opening the ball valve located underneath the water tank, clean and refill with clean cold water to the mark indicated and clean booth interior generally flush and drain the system through. Wash and clean the bag if heavily soiled or air suction has decreased.

If usage is heavy then more frequent cleaning will be required. If the booth is to be left for more than a week the water must be drained completely and the booth flushed and cleaned. Only use cold water from a mains water supply (20 degrees or less) if the booth is to be used in a Hot climate ensure the booth is adequately insulated to ensure the water temperature does not exceed 20 degrees Celsius.

#### 2. Quarterly

As above procedure but also drop the screen and scrub all the interior baffles and surfaces to remove any build up of glaze. Remove washable pre filter and wash using a stiff nylon brush and clean water. To remove screens place your hands at the bottom of the first screen and lift upwards and towards you and remove from the booth, you will notice the first screen that you have just removed locates on the screen still in place by means of hooking on to the two spacer channels fixed to the back screen. To remove the back screen pull this towards you and it will come free once removed observe the two mounting pins located on the plastic channel either side of the booth these are used with the corresponding holes in the first screen for location.



### 3. Annually

As above procedure. Also clean air box where the fan is attached to.

#### The recommended method of cleaning the filter bag and pre filter

Regular washing of the filter bag and pre filter is extremely important in maintain the Spray booths ability in complying with health and safety guidelines.

#### Ensure the spray booth is isolated from the mains

##### To clean the pre-filter wear protective mask and gloves

1. Remove the cover found on the side of the fan housing
2. Carefully slide the filter unit out, the unit can then be cleaned by washing it through with luke warm water and scrubbing with a stiff nylon brush
3. Once the filter is cleaned replace it into the fan housing and secure the cover before use.

##### To clean the filter bag wear protective mask and gloves

1. Remove the bag from the fan unit it is secured using an elasticated collar and can be pulled off by hand.
2. Hand wash the bag in luke warm water and a mild detergent then ensure it is rinsed well after in clean water.
3. The bag must be air dried , DO NOT TUMBLE DRY.
4. Ensure that the bag is completely dry and refit it to the fan unit.

It is responsibility of the end user to ensure that the water used in the cleaning process and also the maintenance of the wetback spray booth is disposed of

according to the relevant water authority regulations and bylaws . We recommend the use of a glaze collection tank that can be fitted under a sink drain unit.

If the unit is to be used in a continuous high production environment then it may be required that the unit will be ducted to atmosphere and not in to a dust collection bag.

When connecting the spray booth to the duct work Environmental and health and safety regulations must be observed . The Spray booth must be connected to a suitable ducting system by qualified engineers Gladstone Engineering can not be held responsible for any problems that may occur through wrong installation. If in any doubt please contact our technical department.