



**Longton Light Alloys Ltd inc.**  
**Gladstone Engineering Co Ltd**

Foxley Lane . Milton . Stoke-On-Trent .

Staffs . ST2 7EH

Tel 01782 536615

Fax 01782 533415 / 537908

E-mail;- [info@gladstone-engineering.com](mailto:info@gladstone-engineering.com)

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# G165 Wet Back Spraybooth



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Directors : D.L. Bailey Snr.—D.L. Bailey Jr.—F.K. Boulton—K.M.Bailey.  
Registered Office:- Foxley Lane, Milton, Stoke-On-Trent, Staffs, ST2 7EH, United Kingdom.  
Reg Name : Longton Light Alloys inc Gladstone Engineering Co Ltd. Reg No 1374211. VAT No 318 8521 47 GB

## **Installation and General Maintenance**

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

#### Electrical Supply

220-240v single phase

Fan 3.3 amps

Pump 3.3 amps

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 .

#### **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 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 prolonged use.

#### **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 ascertain 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.

The Filter bag is located within the sound enclosure, access to this is by removing the three securing pins two located down one side and one at the top the door will then hinge open. The filter bag has a elasticised top and is located over the flange of the fan unit.

### **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.

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.
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.
5. Secure the door on the sound enclosure .

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.



## 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 2006/95/EC.

EMC - Electromagnetic Compatibility Directive 2004/108/EC.

Machinery Directive 2006/42/EC

**Harmonized Standards.**

BS EN 292-1 , BSEN ISO 13857:2008 BSEN 60204-1:2006

**Purpose of use.**

For the spraying of water-based glaze.

**Product serial number.**

GE

**Manufacture year.**

As per invoice date

Technical documentation is held for this product.



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## Warranty

### 1) Conditions

All of the terms and conditions of this warranty are contained in this certificate and cannot be varied without the written authorisation of the company. It is expressly agreed that the company will be released from all liability and obligations under this warranty if the terms and conditions of this certificate are not fully complied with in full.

### 2) Risk covered

The risk covered by this certificate is failure of the product within 12 months of the date of invoice as a result of electrical or mechanical breakdown attribute to workmanship and/or faulty material used in manufacture. If the product fails during the warranty period due to fair wear and tear the company will not be liable.

### 3) Coverage

Coverage will only extend to the repair of the product.

### 4) Notification of claim

Any claim under the warranty must be notified to the company within 14 days of breakdown . The procedure for notification is set out in paragraph 3 of the section headed claim procedure.

### 5) Repairs to products

Any work under this certificate to products will be carried out at the companies premises. Products must be returned via the place of purchase only at the purchasers expense.

### 6) Transfer of cover

No transfer of cover is allowed to other products or persons other than the original purchaser.

## 7) Avoidance of cover

The certificate of warranty shall be void in the event of fraud, nondisclosure or if the purchase has tried to repair the product without first notifying the company and without receiving the companies written permission.

### **Exceptions**

- 1) The company will not be liable in the event that breakdown:-
  - 1.1) Is caused by or in consequence of:-
    - a) accident, fire, lightening, theft, explosion, aircraft or other aerial device or articles dropped therefrom, flood or earthquake.
    - b) scratching, denting or the direct application of a tool.
    - c) abuse, misuse or neglect or use of the product which is not in accordance with the companies instructions.
    - d) the variation and/or failure of water supply.
    - e) the permanent or temporary termination of any mains service whether due to any act or default of the certificate holder.
    - f) adjustment of external controls.
    - g) the failure and/or replacement of parts, incorrect connections to water/electricity supplies or external wiring or plumbing not forming part of the product.
    - h) corrosion.
    - i) blockages.
    - j) foreign bodies entering any part of the product.
- 2) The company will not be liable for damage to any parts, wiring, inlets or anything not belonging to the product.
- 3) The company will not be liable for:-
  - 3.1) the loss of routine inspection or modifications.
  - 3.2) loss of use of the product or consequential loss of any nature.
  - 3.3) the amount of any loss or damage recoverable under any household insurance or the insurance policy or guarantee.
- 4) The company will not be liable if :
  - 4.1) the product is purchase second hand.
  - 4.2) the product is modified in any way after leaving the companies premises.

5) The certificate does not cover:-

5.1) loss or damage caused by or occurring through war, invasion of foreign enemy, hostilities (whether war has been declared or not), civil war, rebellion, insurrection or military or usurped power, riot, strike, labour, disturbance, lockout, or civil commotion.

5.2) loss or destruction of, or damage to, any property whatsoever resulting or arising therefrom, or any consequential loss or legal liability of whatsoever nature directly or indirectly caused by or contributed to or arising from:-

a) ionising radiation or contamination by radioactivity from any nuclear fuel or any nuclear waste from the combustion of any nuclear fuel.

b) the radioactive, toxic, explosive or other hazardous properties of any explosion, nuclear assembly or nuclear component thereof.

5.3) loss, destruction or liability directly occasioned by pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds.

to the product, or less occurring outside the mainland of Great Britain/ EEC6) repairs made

#### CLAIM PROCEDURE

- 1) In the event that your product breaks down during the period of this warranty you should first ensure that you have checked the companies instruction leaflet to ascertain that the failure is not due to a simple circumstance such as wrongly adjusted control or blown fuse that may be corrected by yourself . Please remember that you may be charged a “call out” fee if the repair is not necessary.
- 2) Refer to the conditions and expectations section above. If the failure is not covered by this certificate you will be charged the cost of the repair.
- 3) Contact your place of purchase within 14 days, you should quote your invoice number along with a description of the product, serial number and breakdown. You will also need to arrange for the return of the product to the company if repair is necessary. Return of the product is at the purchasers expense. The company will not be liable for any transportation costs.
- 4) Advise can be given on the telephone for simple breakdowns so always describe the breakdown exactly to your place of purchase.