



G166 Wet Back Spray Booth

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INSTALLATION AND GENERAL MAINTENANCE
INSTRUCTIONS FOR G166 WETBACK SPRAY-
BOOTH

CEO2

Electricity Supply

220-240 50HZ Single Phase 15.8 Amps FLC

Brown = Live

Blue=Neutral

Green/Yellow=Earth

380/415v/50Hz Three phase full on load on line load 9
Amps

Brown/Blue/Black = Live

Green/yellow cable = Earth .

This unit is class SCI and therefore must be connected
to an earth

Standard recommended air speed = 250Ft/min

Installation

Site the booth in a suitable area of the studio. Consideration should be given to noise levels so as not to be a nuisance to the immediate surrounding area i.e. Partitioning to reduce ambient noise level, access to a suitable water supply and drain is also required . The booth is a closed water system and does not need to be connected to a mains water supply, but if the booth is used in an Industrial environment it may be necessary to connect the water tank to the mains supply via a ball cock and valve fitted with a non return valve. Please ensure that you follow local water authority bylaws.

Please contact our technical department if you require any additional information or assistance.

Ensure there is a suitable electrical supply within 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 . All electrical connections must be carried out by a qualified electrician.

Commissioning

1. Connect the supply cable into a suitable electrical supply
2. Fill the separate water tank to the level indicated and then place the sump pump into the water tank
3. ensuring that the pump support arms align with the cut outs in the tank, it is easier to only part fill the tank first and then using a suitable container top it up through the drain hole in the booth when the tank is in position. Slide the flexible trunking over the fixed drain pipe on the spray booth, the other end hangs free into the water tank.
4. Fix the bag on the back of the extractor fan access is gained by undoing the three securing knobs on the rear door.
5. It is recommended to switch the pump unit on first and then the fan unit. On completion switch the fan off first and the pump last
6. Always spray into the cabinet and towards the curtain of water. Stand approximately 12-18" away from the work
- 7.** After spraying switch off unit as described in section four.

IMPORTANT NOTICE

It is recommended that ear protection is worn by the operator for prolonged exposure to the spray booth suitable respirator or filter mask should also be worn.

Under no circumstances should the pump be run dry, 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 pumps are maintenance free and provided the maintenance of the booth is adhered to it should require no ongoing maintenance schedule

Spray Booth

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

Daily

1. Clean the interior of the booth
2. Ensure the water level is to the correct mark

Weekly

Drain water tank , clean and refill and clean booth interior generally. 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.

Quarterly

As above procedure but also drop the screen and scrub all the interior baffles and surfaces to remove the screens place your hands on the bottom of the first screen lift and pull away and remove from the booth please take note the first screen is located on two rails fixed to the second

screen , to remove the second screen pull it forward off the two stainless steel mounting pins taking note of there position to enable refitting

Ensure that all the jets on the spray bars are working correctly, to clean the upper bar, using a small drill 1.5mm in diameter clean the jet holes out by inserting the drill into the jet hole by hand and removing the blockage, remove the end plug and then the pipe can be flushed through, ensure that you have a suitable container to catch the water that is being flushed through and do not run the pump dry, the rear spray bar can not be flushed through but depending on the type of jets fitted these can still be stripped and cleaned.

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.

Annually

As above procedure, also clean air box and fan unit.

IMPORTANT

Please note that this unit is fitted with a washable pre filter. To gain access to this filter remove the cover on the fan housing indicated at the rear of the booth. It is recommended that this filter is cleaned every month

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

Regular washing of the filter bag and stainless steel

pre-filter is extremely important in maintaining the Spray Booths ability in complying with Health & Safety Regulations.

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 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 the responsibility of the end user that 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.

Connection to external duct work

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 is designed to ducted through an open cowl. All ducting must be carried out by experienced duct work 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.

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
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Stoke on Trent
ST2 7EH**

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Web www.gladstone-engineering.com**

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.



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.

G166 Spraybooth

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 glazes

Product serial number.

GE

Manufacture year.

As per invoice date

Technical documentation is held for this product.

