

# Cromartie

## Wet Back Spray Booth



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## **Installation and General Maintenance**

### **Instructions for CH1076 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 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 ongoing maintenance schedule.

### **Fan unit**

All bearings are sealed for life. The Fan unit will not require general maintenance in normal operating procedure as 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, 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 spray booth, 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 buildup 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 booth's 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 lukewarm 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.

Cromartie cannot be held responsible for any problems that may occur through wrong installation. If in any doubt please contact our technical department.