

# **Instruction Manual**

## **UV Sterilization Cabinet**

### **Catalogue Numbers**

**616000**

**616001**

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## **SAFETY PRECAUTION**



WHEN USED CORRECTLY, THESE UNITS POSE NO HEALTH RISK.  
HOWEVER, THESE UNITS CAN DELIVER DANGEROUS LEVELS OF ELECTRICITY  
AND ARE TO BE OPERATED ONLY BY QUALIFIED PERSONNEL FOLLOWING THE  
GUIDELINES LAID OUT IN THIS INSTRUCTION MANUAL.

ANYONE INTENDING TO USE THIS EQUIPMENT SHOULD READ THE COMPLETE  
MANUAL THOROUGHLY.

THE UNIT MUST NEVER BE USED WITHOUT THE SAFETY LID CORRECTLY IN  
POSITION.

THE UNIT SHOULD NOT BE USED IF THERE IS ANY SIGN OF DAMAGE TO THE  
EXTERNAL TANK OR LID.

THESE UNITS COMPLY WITH THE STATUTORY CE SAFETY DIRECTIVES:  
73/23/EEC: LOW VOLTAGE DIRECTIVE: IEC 1010-1:1990 plus AMENDMENT

1:1992

EN 61010-1:1993/BS EN 61010-1:1993

## PACKING LISTS:

Cat. No. 616000	Main Unit	Mains Lead	Spare Fuse (in Control Unit)	Instruction Manual
616001	With add. Tray			

**The packing lists should be referred to as soon as the units are received to ensure that all components have been included. The unit should be checked for damage when received.**

**Please contact your supplier if there are any problems or missing items.**

## Usage Guidance and restrictions:

- Maximum altitude 2,000m.
- Temperature range between 4°C and 65°C.
- Maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C.
- Not for outdoor Use.

This apparatus is rated POLLUTION DEGREE 2 in accordance with IEC 664. POLLUTION DEGREE 2, states that: “Normally only non-conductive pollution occurs.

Occasionally, however, a temporary conductivity caused by condensation must be expected”.

## Care and Maintenance:

### Cleaning UV Sterilization Cabinets:

Cabinets are best cleaned using warm water and a mild detergent.

**Water at temperatures above 60° C can cause damage to the Cabinets.**

The cabinet should be thoroughly rinsed with warm water or distilled water to prevent build up of residues but care should be taken not to damage the light unit and bulbs.

**The units should never come into contact with the following cleaning agents, these will cause irreversible and accumulative damage:**

Acetone, Phenol, Chloroform, Carbon tetrachloride, Methanol, Ethanol, Isopropyl alcohol, Alkalis.

**DO NOT** use abrasive creams or scourers.

Components should always be dried with clean tissues prior to use.

**The cabinet should not be used on or above surfaces cleaned with alcohol's or other hydrocarbons and acids or where such compounds have been used because of the risk of vapours damaging the acrylic.**

## **SPECIFICATIONS:**

### **Construction:**

Size: 770 x 560 x 420mm ( H x W x D)

Mains Fuse. 2.5 Amp.

White Light 15 Watt

UV Lights four x 15 Watt

Weight. 19 Kg

### **UV Safety:**

The cabinets are manufactured from a material impermeable to UV light.

Safety switches on the doors will instantly turn off the UV lights when the doors are opened.

## **Installation and Operation of the UV Sterilization Cabinet**

### **A. Installation**

1. Check the cabinet and mains lead for any damage. **DO NOT** use if the system shows any sign of damage.
2. Place the cabinet on a flat surface. We recommend using a General Purpose Tray White, 68 x 54 cm. This safety tray is available under Cat. No. 616008 (part of Cat. No. 616001)
3. Connect the mains lead into the back of the cabinet and insert into an earthed mains socket.

### **B. Using the UV Lights**

1. Place the objects to be sterilized inside the cabinet and close the side doors.

**PLEASE NOTE:** the UV lights will not operate, when the doors are open.

2. Switch the 'Power' switch to the ON position.
3. Turn the timer to the required time. Twenty minutes is sufficient time to sterilize most pieces of equipment. The UV lights will automatically turn on and then switch off, after the set time.

### **C. Using the White Lights**

1. Switch the 'Power' switch to the ON position.
2. Switch the 'White Light' switch to the ON position.
3. **PLEASE NOTE:** The white lights are not operated by the timer switch. The white lights will remain on when the doors are open.

## **SERVICING:**

### **Replacing the Lamps:**

In the course of time, the lamps will diminish in their output. It is therefore recommended that all the lamps are changed at the same time, for uniform efficiency. Please use a qualified safety engineer to replace and check the operation of the lamps.

**CAUTION: The lamps become very hot during use.**

**Make sure that the lamps have cooled down before removing them.**

1. Remove the mains lead from the back of the unit.
2. To remove the lamps open both safety doors fully and using both hands, twist the lamps one quarter turn.

The lamps will then come out of their sockets.

3. To insert new lamps, place the lamps in their sockets and twist them until they fix in position.
4. Replace the mains lead and have the cabinet checked by a qualified safety engineer.

There are no internal operator serviceable parts in this unit. If the power should fail, the unit must be returned to the authorized distributor.

## **Warranty**

The UV Sterilization Cabinets units have a warranty against manufacturing and material faults of twelve months from date of customer receipt.

If any defects occur during this warranty period, your supplier will repair or replace the defective parts free of charge.

This warranty does not cover defects occurring by accident or misuse or defects caused by improper operation.

Units where repair or modification has been performed by anyone other than your supplier or an appointed distributor or representative are no longer under warranty from the time the unit was modified.

Units which have accessories or repaired parts not supplied by your supplier or its associated distributors have invalidated warranty.

Your supplier cannot repair or replace free of charge units where improper solutions or chemicals have been used. For a list of these please see the Care and Maintenance subsection.

If a problem does occur then please contact your supplier.