

**Introduction: -**

This equipment is designed to meet the demands of work places i.e. science laboratories, offices, labs, factories, hospitals, etc. This unique sanitizer has been specially designed to take care of the most delicate part of the human body i.e. the eyes. This sanitizer is used to prevent infection of the eyes spreading through goggles/sunglasses/spectacles.

Some of the special features include:

- A racking system in the form of stainless-steel racks that conveniently stores up to 35 goggles of safety glasses without having to stack them on the top of one another.
- The light viewing screen, 30-minute timer, and instructions are all conveniently located on the front of the cabinet for easy use.
- A longer life, high-intensity ultraviolet light tube is used to improve sanitizing performance.
- A safety warning on an adhesive label at the front of the cabinet reminds the user about “Safety First”.



The eye glasses/goggles are placed in the sanitizer cabinet under the U.V. source illumination for about 15 minutes. The U.V. light kills the any type of germination taking place on the corners, on the side of glasses and on the frame itself. This process makes the glasses free from any type of infection & makes them clean & eye friendly to wear. A key lock allows the door to be locked during sterilization. Two safety door switches automatically shut off the UV light source should one of the doors be accidentally opened. The light viewing screen mounted on the front of the cabinet confirms UV light is being generated.

The cabinet if fully assembled and constructed of CRC steel with a thickness of approximately 0.8mm.

**Specifications: -**

Input Voltage: 220-240V AC  $\pm$  10%, 50/60Hz.

Input Current: 0.315A.

Wattage: 25 Watts (Max).

Size: 72.5 (L)  $\times$  66.5 (W)  $\times$  26 (D) cm.

Weight: Approximately 20kg.

**Safety Precautions: -**

The unit is completely protected against any hazard. Input voltage is provided through Timer Switch. The unit operates only when both the doors of the machine are fully closed. The input supply is routed through the push to ON switches connected in series. Hence in the event of any door remaining open, the supply is cut-off.

Further, when the timer is off both the Line and Neutral inputs are completely isolated. Hence the unit is fully hazardous free. The chassis & all metallic parts are properly earthed. For having the internal view, filters in the form of 2 grey polarized sheets are provided.

### **Equipment Installation: -**

- 1) This equipment can be installed on a desk, floor standing or wall mounted.
- 2) The equipment is not fitted with handles or grips. For lifting and carrying, the equipment needs to be lifted at all 4 corners and placed on trolley with wheels or castors for movement from one location to another, if required.
- 3) For wall mounting operation, 4 screws, no. 10, CSK type and 38mm long are provided as part of the equipment accessory.
- 4) The equipment is natural convection cooled and does not require any forced air cooling.
- 5) The plug of the mains power cord is the disconnect device for this equipment. The mains supply cord shall be protected against abrasion and sharp bends at the point where the cord enters the equipment. For this, an inlet bushing with smooth rounded opening is provided.
- 6) The equipment shall be installed by qualified trained personnel only.

### **Equipment Operation: -**

After the installation of machine, the unit is connected to mains power supply source. Take care that mains power source has proper earthing. Place the required material (goggles/glasses) inside the unit.

Close-both the doors properly & now set the timer knob as per the requirement between 0 to 15 minute, by turning the knob clockwise.

The machine will be ON which is indicated by the bluish light visible through the U.V. filter sheets.

Once the set time is lapsed the single bell sound is heard & the unit is closed & isolated from mains input section.

Open the doors & sanitized glasses can be removed.

### **Precautions: -**

1. Never open the doors when the timer is running.
2. Don't view the U.V. Glass Filter continuously for a long time.
3. Don't move the machine when it is in use.
4. Don't put the hands inside the cabinet when the timer is still running.
5. Make sure that proper earthing is maintained at the time of installations.
6. This equipment is suitable for indoor use only and needs to be installed in a laboratory environment.
7. This equipment is rated for a maximum ambient temperature of 40 deg C and maximum humidity of 75% Rh.
8. The equipment is rated for use at a maximum altitude of 2000m.
9. The equipment shall be preferably lifted using more personnel lifting the corners simultaneously. The use of safety shoes during this process is highly recommended.

### **Equipment Maintenance: -**

1. The equipment should be subjected to routine preventive maintenance and inspection necessary for safe operation. The maintenance frequency is to be decided on the usage and the hours of operation.
2. If the inspection necessitates replacement of parts, the alternatives used should be of the same type, rating and characteristics.
3. The equipment is to be cleaned with clean cloth rag soaked in pure/distilled water and then dried using mild warm blow/heat gun if necessary.
4. Maintenance and inspection activities need to be performed by qualified personnel only.

**Explanation of Symbols: -**

Caution, Refer Instruction Manual.



Danger High Voltage Present.



Protective Earth

**Important: -**

**Protection impairment if used in a manner not specified as per this manual.**

**No operator serviceable parts inside. Refer to qualified personnel for servicing/repairs only.**

**MUST DISCONNECT THE SUPPLY BEFORE SERVICING.**

1. By using – (minus) edge screw driver slightly turn the fuse cap anti clockwise & turn so that cap will popup.
2. Remove the fuse holder cap.
3. Remove the glass fuse.
4. Replace the defective glass fuse with new one & fit it properly in the holder.
5. Now put the fuse holder cap in the fuse holder housing.
6. Push the cap in the holder with screw driver and rotate in clockwise direction. So that fuse holder settles properly in the housing.

**Note: -**

If Equipment is not switching ON even if the fuse & everything else seems to be OK.

1. Take out the fuse holder outside & inspect flanges visibly.
2. Flanges should not be too close; in this case flanges do not make the contacts with internal body.
3. In such a case stretch the flanges slightly apart with flanges so that the distance is approximately 9-10mm.
4. Insert the fuse properly & lock it properly.
5. Now put the fuse holder cap in the housing & lock it.