

UV Cabinet



UV Sterilisable Cabinet

Instruction Manual

Catalogue Numbers

CSL-UVCAB

CSL-UVCABMIDI

CSL-UVCABMINI

CSL-UVCABTY4

CSL-UVCABMIDITY4

CSL-UVCABMTY4

CSL-UVCAB\$

CSL-UVCABMIDI\$

CSL-UVCABMINI\$

CSL-UVCABTY4\$

CSL-UVCABMIDITY4\$

CSL-UVCABMTY4\$

Record the following for your records:

Model _____

Catalogue No. _____

Date of Delivery _____

Warranty Period _____

Serial No. _____

Invoice No. _____

Purchase Order No. _____

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Safety Information



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

These units comply with the following European directives:

**2006/95/CE Low Voltage Directive and 2014/30/UE (official Title 2004/108/EC)
EMC Electromagnetic Compatibility**

By virtue of the following harmonised standards:

BS EN IEC 61010-1: 2010 Safety Testing of Lab Equipment

BS EN IEC 61326-1:2013 EMC Electro Magnetic Compatibility

UV Light Safety Information

All bench top UV Cabinets are powerful sources of UV Radiation that will cause rapid permanent damage to unprotected eyes and skin.

Before operating any unit be sure that all personnel in the area are properly protected. 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.

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”.

Packing List

Catalogue No.	Main Unit	Mains Lead	Instruction Manual	Spill Tray
CSL-UVCAB	CSL-UVCAB	220V/230V	UVCAB	Not Included
CSL-UVCABMIDI	CSL-UVCABMIDI	220V/230V	UVCAB	Not Included
CSL-UVCABMINI	CSL-UVCABMINI	220V/230V	UVCAB	Not Included
CSL-UVCABTY4	CSL-UVCAB	220V/230V	UVCAB	CSR-TY4
CSL-UVCABMIDITY4	CSL-UVCABMIDI	220V/230V	UVCAB	CSR-TY4
CSL-UVCABMTY4	CSL-UVCABMINI	220V/230V	UVCAB	CSR-TY4
CSL-UVCAB\$	CSL-UVCAB\$	110V	UVCAB	Not Included
CSL-UVCABMIDI\$	CSL-UVCABMIDI\$	110V	UVCAB	Not Included
CSL-UVCABMINI\$	CSL-UVCABMINI\$	110V	UVCAB	Not Included
CSL-UVCABTY4\$	CSL-UVCAB\$	110V	UVCAB	CSR-TY4
CSL-UVCABMIDITY4\$	CSL-UVCABMIDI\$	110V	UVCAB	CSR-TY4
CSL-UVCABMTY4\$	CSL-UVCABMINI\$	110V	UVCAB	CSR-TY4

Packing List Checked by: _____

Date: _____

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.

Cleaver Scientific is liable for all missing or damaged parts / accessories within 7 days after customer received this instrument package. Please contact Cleaver Scientific immediately regarding this issue. If no response within such period from consignee party, that will be consignee party's whole responsibility.

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

Specifications

Catalogue No.	CSL-UVCAB	CSL-UVCABMIDI	CSL-UVCABMINI
Size (H x W x D cm)	77 x 58 x 42	62 x 58 x 42	45 x 58 x 35
Working Area (H x W x D cm)	60 x 53 x 41	42.5 x 53 x 39	27 x 53 x 32
Mains Fuse	2.5 Amp	2.5 Amp	2.5 Amp
White Light	15 W	15 W	15 W
UV Light	4 x 15W Germicidal	4 x 15W Germicidal	4 x 15W Germicidal
Weight	19 Kg	14.6 Kg	12 Kg

Operating Instructions

Further information regarding setting up and running the UV Cabinet units can be found at www.cleaverscientific.com

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 68 x 54cm safety tray.
3. Connect the mains lead into the back of the cabinet and insert into an earthed mains socket.

Operation – UV Sterilisation

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.

Operation – White Light

1. Switch the 'Power' switch to the ON position.
2. Switch the 'White Light' switch to the ON position.

PLEASE NOTE: The white lights are not operated by the timer switch.

3. The white lights will remain on when the doors are open.

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 buildup 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.

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 Cleaver Scientific Ltd. UV Cabinets units have a warranty against manufacturing faults of twelve months from date of customer receipt.

If any defects occur during this warranty period, CSL 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 CSL 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 CSL or its associated distributors have invalidated warranty.

CSL 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 or Cleaver Scientific Ltd:

Cleaver Scientific Ltd.

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Tel: +44 (0)1788 565300

Email: info@cleaverscientific.com

