TUNGSRAM™

Innovation is our heritage
EST. 1896

UV-C Sanitizer

Product information

Tungsram is a developer and manufacturer of efficient, easy-to-use, affordable UV-C light sanitizer solution and is proud to introduce the UV-C Sanitizer Series. This brand-new product is an essential disinfection system that eliminates deadly pathogens, COVID-19, MRSA, CRE and C. difficile in minutes.

The UV-C Sanitizer is designed for the efficient disinfection of shared tools and electronics in hospitals, private practices, outpatient clinics and other healthcare facilities. The UV-C Sanitizer is designed to be used for disinfecting the surface of a wide range of patient care, administrative, diagnostic and entertainment tools; from medical tablets to cell phones, keypads to TV remotes. Full disinfection is achieved in minutes. The UV-C Sanitizer is not suitable for direct sterilization of medical devices.

The UV-C Sanitizer uses germicidal lamps to eradicate pathogens. The units are compact enough to be placed on a countertop at a nurse's station or on a mobile cart that is moved from room to room. The easy to use controls feature a 1-click start and stop button.

Functional Features

- UV-C Germicidal lamp
- Easy to use controls
- Safety switch to turn off the lamps on door opening
- Stainless steel grid shelves
- Grille shelf design allows UV-C wavelength to pass through to sanitize 100% of the target object
- UV-C ray resistant materials
- Compact tabletop design
- Door allows large objects to be placed inside the chamber
- Inner Material: Stainless Steel
- Window covered by glass and UV-C blocking PC
- Power cord: 2.5m
- Adjustable leveling legs

Key Technical Features

- High efficiency lamp design, UVGI radiation, up to 3,000 hours life or 1000 cycles for the application
- Ozone free
- High efficiency electronic ballasts
- Ingress protection: IP20
- Operating Environment: 0°C to 35°C
- Regulatory approvals – CE, RoHS, EN 60335-1, EN 60335- 2-65, ISO 15858:2016, EN 55014

Specification summary

Product ID	Useful volume	Inner dimensions (mm)	Outer dimensions (WxHxD) (mm)	Power Consumption	Built-in UV-C Power	Control (minutes)	Weight (kg)
UV-C Sanitizer S	55 liters	540x220x480	600x370x550	55W 230V/50Hz	14W	1-60	~24
UV-C Sanitizer M	87 liters	540x350x480	600x500x550	81W 230V/50Hz	21W	1-60	~32

Ordering Information

UV-C Sanitizer

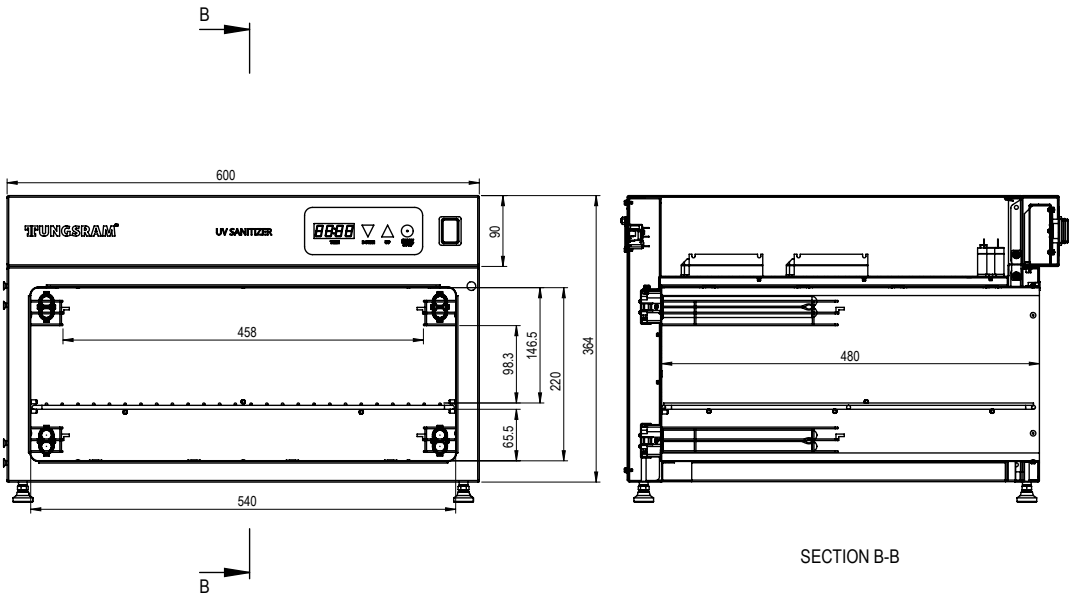| Product ID	Product Code – SKU
UV-C Sanitizer S – RAL 9006*	93118590
UV-C Sanitizer S – Inox	93118591
UV-C Sanitizer M – RAL 9006*	93118592
UV-C Sanitizer M – Inox	93118593

*outer color of the main part of the UV-C Sanitizer, excluding the control panel area which is RAL9007. Other colors on request, please contact us.
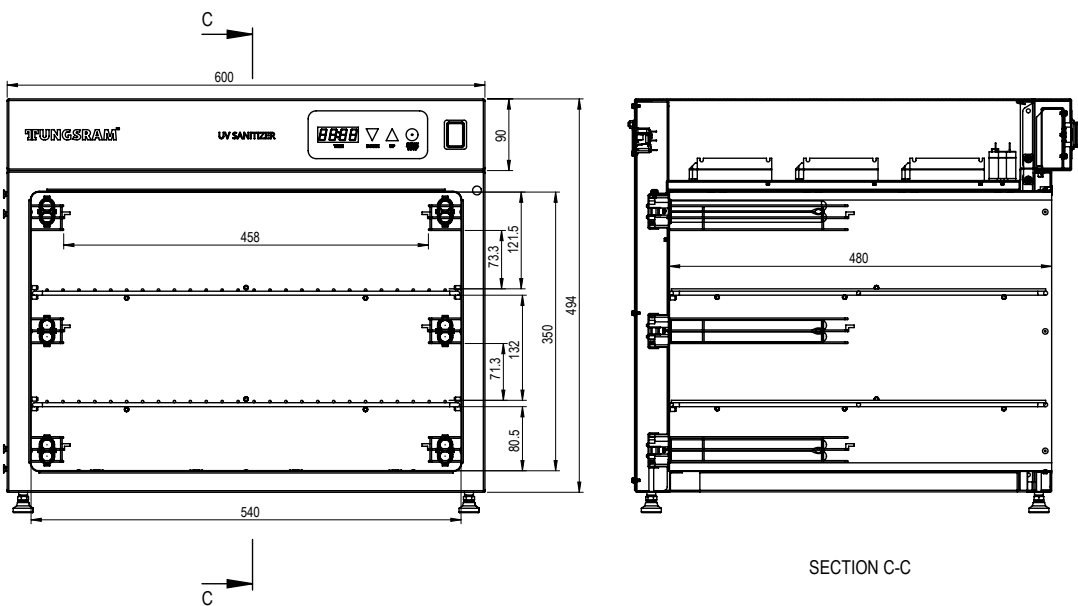
UV-C Sanitizer Accessories

Product ID	Product Code – SKU
UV-C Replacement Lamp 4pcs S' size	93118888
UV-C Replacement Lamp 6pcs M' size	93118889
Lamp Protective grille	93118838
Standard grille	93118839
Top grille	93118840
Hanging hooks	93118841

Dimensions (mm)

UV-C Sanitizer S

SECTION B-B

UV-C Sanitizer M

SECTION C-C

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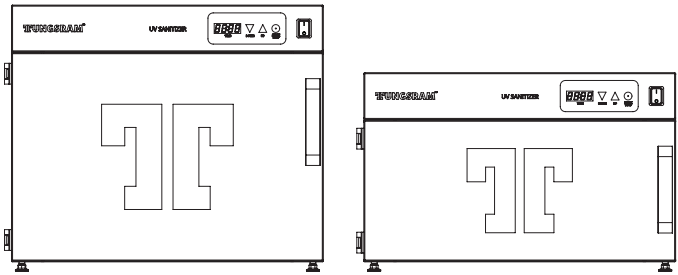
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UV SANITIZER

⚠ WARNING

BEFORE YOU BEGIN
• Read these instructions completely and carefully.

RISK OF ELECTRIC SHOCK
• The grounding and bonding of the overall system shall be done in accordance to local electric code of the country where the appliance is installed.

RISK OF UV HAZARD
• UV-C product inside do not operate with open door.
• In case of opening of the UV section, the UV devices shall be shut-off in order to avoid exposure to UVC light emitted by the germicidal lamp; It may cause severe conjunctivitis and erythema.
• Never look at the UV lamp during operation either directly or through mirrored glass. Panel door should always remain closed during operation.
• Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV-C radiation. UV-C radiation may, even in little doses, cause harm to the eyes and skin.
• Failure to comply may result in exposing skin to UVC. Prolonged skin exposure may generate redness and an uncomfortable sunburn sensation.

RISK OF FIRE
• Make sure that the device will be installed where it will fit with the existing environmental conditions.
• Do not operate this appliance if the cord or plug is damaged.
• If the external flexible cable or cord of this appliance is damaged, it shall be replaced by cord as specified on the data table.

RISK OF INJURY
• Take precaution with broken UVC bulbs to avoid inhalation, ingestion, or contact with skin or eyes.
• UVC bulbs contain mercury, and therefore, must be properly disposed.

IMPORTANT
• Please see technical data sheet for electrical properties to ensure safe installation.

ADDITIONAL INFORMATION
• The company reserves the right to make modifications without prior notification.
• Data subject to change without notice.

CAUTION

• Only use this appliance for its intended purpose as described in this booklet.
• The intended use is as a germicidal lamp for sterilization, any other use is improper and dangerous.
• Children under the age of 8 are not allowed to use the device. Should the user be a child above the age of 8 or should the user have reduced physical, sensory or mental capacities, or have no experience and knowledge about the device, the device can only be used under the direct supervision of a trained person. The supervisor should receive prior information about any risks and also receive all necessary instructions about the safe usage of the device.
• Kids should not allow to play with this device.
• Maintenance can be made by children under supervision.
• Keep the appliance and its cord out of reach of children less then 8 years.
• For indoor use only.
• Do not operate appliance with damaged parts.
• Replace burnt out lamps exclusively with the recommended lamp type with the same voltage and maximum power rating as the original.
• The maintenance or replacement of any of the components must be done with identical elements, or, if appropriate, with parts recommended by the manufacturer. The installer or final assembler shall be responsible for any incident or failure to comply with standards derived from an assembly that is not performed according to this instruction sheet.
• Use only with components identified in this document.

OPERATION

• This cabinet can be used for germicidal disinfection.
• The appliance is intended to disinfect mobile devices and non-critical medical devices.
• Clean visible dirt, moisture or liquid residue from items to be disinfected as per manufacturer's instructions.
• Not intended to be used to pre-clean or decontaminate critical or semi-critical medical devices prior to terminal sterilization or high level disinfection.
• This appliance should not be used for commercial purposes.
• When disinfecting multiple items, do not stack or allow sides of items to touch
• Do not overload the products inside the appliance. Always leave sufficient space between objects to ensure good exposure to UV light during operation
• It is commonly known that ultraviolet light exposure may shorten the lifespan of plastics and paintings.
• As we have no control on all object's material and durability, you should always contact the object's manufacturer for advice before using it with this appliance. By using this product, you have agreed to use this appliance at your own risk and discretion.
• This cabinet can disinfect only non-organic objects.

MAINTENANCE

PRECAUTION
• Apply cleaning agents to a clean, lint-free wet cloth first and then clean the device. Liquid sprayed or applied directly to the device could possibly leak inside and cause damage.
• Allow the device to completely dry before operating again.
• Never use abrasive materials.
• Replace burnt out lamps exclusively with the recommended lamp type in data table.

CAUTION
• The lamps become very hot during use. Make sure that the lamps have cooled down before removing them.
• Replace all the lamps if any of the lamp does not operate.
• UVC bulbs contain mercury, and therefore, must be properly disposed of as a hazardous waste in accordance with local, state, and federal regulations or the lamps should be recycled.
• Take precaution with broken UVC bulbs to avoid inhalation, ingestion, or contact with skin or eyes.
• Check the physical integrity of the spare parts, no damaged parts allowed.

DISPOSAL

• All electrical and electronic products should be disposed of separately from the municipal waste via designated collection facilities appointed by the government or the local authorities.

If bulbs are broken:
• Ventilate the room for 20-30 minutes.
• Do not use a vacuum cleaner.
• Use gloves, cardboard, or sticky tape to collect all the bits and place them in closed containers.
• All the items used in cleaning up the spill should be disposed at your local lamp recycling point.
• Remove all broken lamp components from the appliance before reusing the appliance.
• ALWAYS switch off the mains before removing the remaining lamp components!
• UVC lamps shall be disposed properly according to the compact fluorescent lamp regulations. Do not throw it into your household waste!

WARRANTY

• To ensure the product warranty is valid, please ensure all installation instructions and environmental conditions for storage and operation are complied with.
• Product safety is only guaranteed through the correct application of the following instructions. These instructions must therefore be kept in a safe place. These instructions must be supplied to the product installer and user.
• Tungsram has taken the utmost care in the design and manufacture of its products in order to guarantee, as far as possible, maximum safety and risk-free operation when used correctly. Nevertheless, in compliance with accident prevention laws, users are required to ensure that all personnel responsible for the installation, handling, use and sale of products are totally familiar with the information supplied by the company and are fully acquainted with any necessary precautionary measures. These instructions together with any other information deemed necessary, must be made available, as and when required, to any company or persons engaged in the installation of Tungsram products.
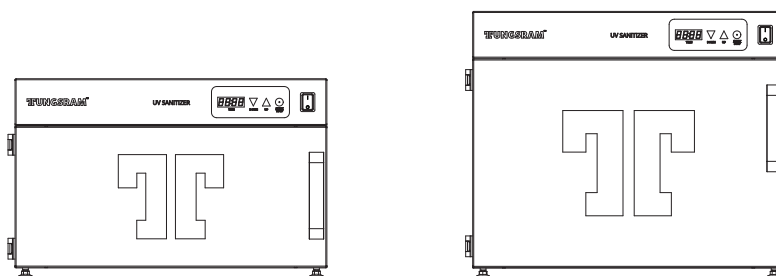
TROUBLE SHOOTING

| Symptom		Possible Reason	Solution
The display shows a code:			
Code1	E1	Lamps is about to reach the end of lifetime.	Replace lamp. Contact manufacturer for spare parts.
Code2	E2	The switching cycle of the lamps is about to reach the maximum.	Replace lamp. Contact manufacturer for spare parts.
LED display is working but any of the UV-C lamps are not lighting.		The door may not closed appropriately.	Check if the door is closed appropriately.
LED display working but one of the UV-C lamps are not lighting.		Some of the lamps may have burned out	See the maintenance section of user manual, ask for a competent person to help or contact manufacturer.
LED display working but at least two UV-C lamps are not lighting.		Internal power supply unit may broken.	Contact manufacturer.
LED display does not show anything.		The unit may not energized	Check the power cord is not damaged and it's connected to a 230V/50Hz rated power outlet.
			Check if the main switch is tuned on and its indicator light is
		Check if the fuse is correct and not blown out.	Ask for a competent person to check and change the fuse to a same rated one if needed.
LED display is working but can not set up the desired time of operation.		Internal timer unit may broken.	Contact manufacturer.

TECHNICAL DATA SHEET

Dimensions (H x W x D) (without feet - mm)	362.5 x 600 x 549		492.5 x 600 x 549	
Color (RAL)	S-INOX	S-yyyy	M-INOX	M-yyyy
Mass (kg)	22	24	30	32
Wattage (W)	max. 55		max. 81	
Voltage (V)	220-240 VAC 50/60 Hz			
Current (mA)	250		360	
Lamp type	UV11W CFL TU 2G7			
Power cable	SHUKO CEE 7/7 TO IEC-320-C13			

FUNCTIONS

Function	Button	Instruction
TIME SETTING	▽ △ DOWN UP	PRESS BUTTON TO INCREASE/DECREASE OPERATION TIME BY 30 SEC
START		SHORT PRESS ON BUTTON TO START OPERATION
PAUSE	START STOP	SHORT PRESS ON BUTTON TO PAUSE OPERATION
STOP		HOLD BUTTON FOR 2 SEC
AFTER LAMP REPLACEMENT RESTART LAMP LIFETIME COUNTER (E1; E2)	△ + START STOP UP	OPEN THE DOOR, HOLD "UP" AND "START/STOP" BUTTON AT THE SAME TIME FOR 2 SEC