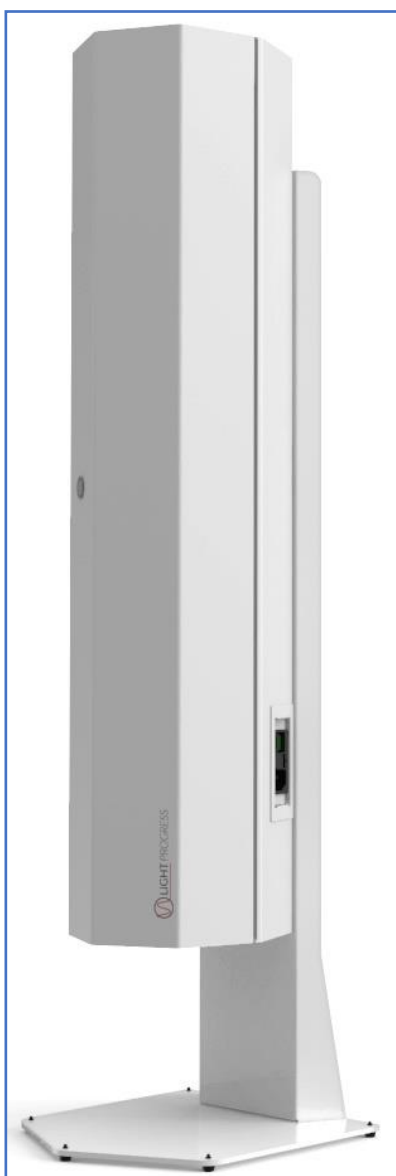




UV-FAN-XS

*High performance professional Air Purifier
with UV-C technology*



SECURITY WARNING

♦ The Company has ensured that every care is taken in the design and production of its machinery. In order to guarantee, as far as possible, that it is safe when used correctly. However, the laws on accident prevention require all users of the machinery to ensure that whoever is responsible for installation, maintenance, use and sale of these products is shown the instruction provided by our company and is made aware of the precautions to be taken.

According to the circumstances, the appropriate recommendations made in these instructions must be made available, together with any other relative information, to any company or person involved in the installation of LIGHT PROGRESS products.

♦ Only use this appliance for its intended purpose as described in this booklet.

♦ If the appliance is wrongly operated for a purpose other than that for which it is intended, no liability can be accepted for any possible damage. The manufacturer cannot be responsible for any damage to people, animals and objects caused by use or operation of the appliance contrary to these instructions.

♦ As with all electrical appliances the safety information and precautions contained in this booklet must be carefully observed, including following:

♦ Before maintenance or cleaning ensure that the appliance is switched off and unplugged from the mains supply.

♦ Should the appliance become faulty please contact our authorized Service Centre direct and in case of repairs ask for genuine parts.

Improper repairs may damage the appliance and place the user at serious risk.

WARNING

- **Avoid exposition to UV-C rays emitted by germicidal lamps, Even for few seconds, it may cause severe conjunctivitis and erythema**
- **Plastic or painted surfaces exposed to direct UV-C rays may progressively yellow, as after a long exposure to sunlight.**
- **The intended use is as a germicidal lamp for sterilization, any other use is improper and dangerous**
- **The lamp, as supplied, cannot be modified or designed for use with accessories or tools**
- **We disclaim all responsibilities and void the warranty in case of tampering or lack of maintenance**

- **Read carefully the following instruction before use**
- **In case of opening of the UV section, must be provided a shut-off of the UVC devices in order to avoid exposure to UVC light emitted by the germicidal lamp; It may cause severe conjunctivitis and erythema.**
- **Remove the protection film from the device before light-on the UV-C lamp.**
- **This device can be used by children with no less than 8 years and by persons with reduced physical, sensory or mental capacities or with no experience or knowledge, as long as under supervision or often they have received the related instructions about the safe use of the device and the related risks. Kids do not have to play with this device.**

CONVENTIONAL SYMBOLS NOTICED ON DEVICES



SUBSTITUTED ITEMS MUST BE PERFORMED RESPECTING THE LOCAL LAWS.



RECYCLE THE STUFFS THAT COMPOSES THIS PRODUCT.



OBLIGATION TO CONSULT THESE INSTRUCTIONS BEFORE USE THIS PRODUCT



DANGER OF ELECTRICAL SHOCK; REMOVE TENSION TO THE SYSTEM BEFORE PERFORMING ANY OPERATION.



GENERIC DANGER.



DANGER OF EXPOSITION TO ULTRAVIOLET UV-C RAYS.



THIS DEVICE RESPECTS THE ROHS NORMS.



USE PROTECTIVE GLOVES



WEAR PROTECTIVE GLASSES

STORAGE OF THIS MANUAL



ATTENTION !

This instruction manual must be preserved and be ever at disposal to consultation; it must follow the device in case of passage of property, and accompany the device until its demolition. It's possible to contact Light Progress' technical office to ask for updated instruction manuals and information.

DEMOLITION AND DISPOSAL



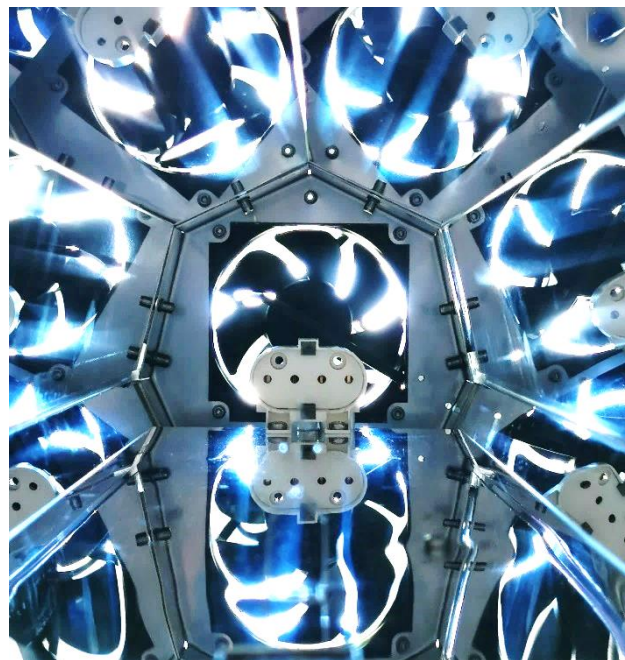
Do not dispose of these products as unsorted municipal waste, but collect them separately as a special waste and entrust them to specialized waste disposal companies. Disposal should be in accordance with Legislative Decree No. 151/2005 (WEEE - Italy), or the law of the country where disposal will occur (WEEE - EC). In case of failure to comply with laws or illegal disposal, heavy penalties are provided. The apparatus consists of plastic parts, electronic components, metal, UV lamps containing mercury (substances dangerous for the environment and human health). The dealer is available to the withdrawal of the apparatus used.

DEVICE DESCRIPTION

UV-FAN-XS is an air purifier with UV-C technology, consisting of a supporting structure and a cover in extruded aluminium painted with epoxy powders.

A silent ventilator conveys the air present in the room forcing it to enter and pass through its germicidal chamber. In this way, air is decontaminated by microbes and viruses as well as by chemical contaminants possibly present.

The germicidal chamber houses the UV-C lamp and is built with a special ultra-pure mirror bright aluminium which, due to its strong UV-C reflectivity, amplifying the disinfecting power of the lamp (see picture here) The air, passing through the chamber, is purified by all microorganisms and its introduced be back into the environment, free of contaminants.



Beside the UV-C lamp, the germicidal chamber houses 2 TIOX® filters upstream and downstream the air flow. Our original TIOX® filter is a honeycomb structure coated with nano-particles titanium dioxide, which work as an excellent photo-catalyst that degrades organic and inorganic pollutants (VOC volatile organic compounds and NOx, nitrogen oxides, formaldehyde) produced by human activity, as it is activated by the high UVC power emitted by the lamp. In addition, the nano-particles of TIOX® have a strong oxidizing power and amplify the germicidal effect of the UV-C rays themselves on microorganisms.

Two special optical labyrinths (at the air inlet and outlet) contain entirely the UV-C rays inside of the air purifier, with a special layout that ensure ventilator's performances. In this way UV-FAN-XS can be used 24/7 without any limit, since the UV-C light is completely confined inside the device, thus ensuring total safety for the people present.

UV-FAN-XS is also equipped with our logo on the front cover, the transparent wave let a visual check of the correct functioning of the lamps inside, being totally safe as it is not transparent to UV-C wavelength.

If the the two closing screws on the cover are unscrewed and the lid is opened accidentally without first turning off the device, a microswitch system will automatically deactivate the lamp, to ensure operator's safety.

APPLICATIONS AND RESULTS

UV-FAN-XS series use the properties of germicidal ultraviolet lamps UV-C with emission peak at 235.7 nanometers to remove bacteria and viruses from the air we breathe. This technology has a strong germicidal power against all the microorganisms that may be present in the air and possibly contaminate environments through airborne route, including **COVID 19, Avian Flu Virus as H5N1, SARS, influenza, Herpes**, bacteria such as **Legionella Pneumophila, TBC** but also **Yeasts, Mould's and Fungi**.

Microbial reduction percentages are between 99% and 99.99% at every air passage inside the germicidal chamber, as tested according to **ISO 15714**, against both bacteria and viruses.

UV-FAN-XS can be used, always, even in the presence of people, thanks to the optical labyrinths which retain UV-C in its interior, to the silent fan and to its low energy consumption (system is certified **ISO 15858**).

The possibility of continuously working, 24h/24, also allows the so called "air washing", dropping gradually the microbial residue in the air, after few minutes from the start, until it reduces to negligible proportions.

Thanks to its small size and design, UV-FAN-XS is a very versatile air purifier, that can be used in places such as hospitals, waiting rooms, patient rooms, maternity wards, medical and dental clinics, laboratories, surgical units, but also in common spaces such as offices, schools, shops, restaurants etc.

UV-FAN-XS can also be used in the food production and packaging sectors, where Mould and bacteria are removed from the air, allowing a longer and healthier preservation of products, but also in the catering sector (public areas in general), and in all those environments where you need to maintain a cleaner and healthier air.

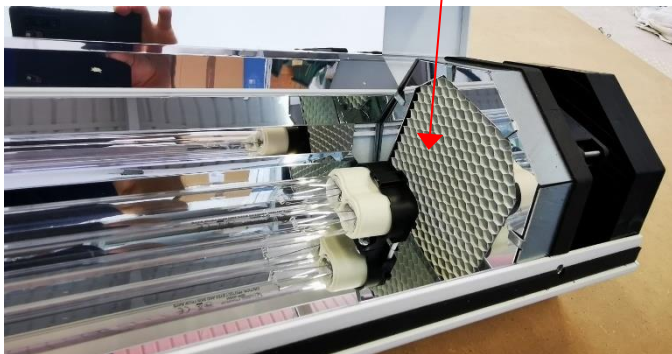
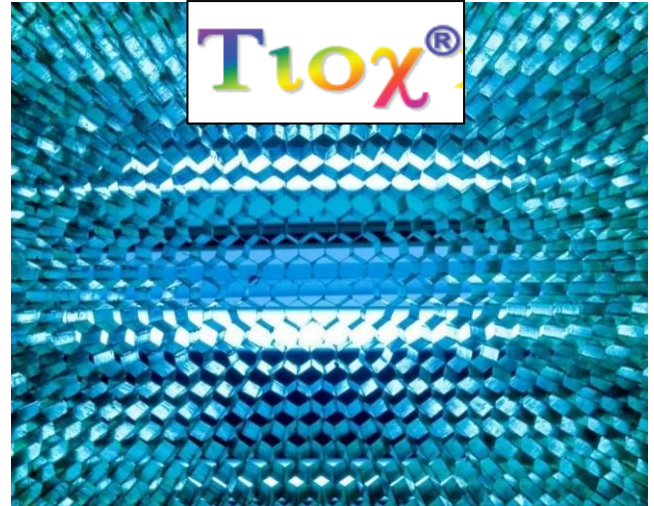
Finally, it is also fitting perfectly in those restricted but critical contexts for viral and microbial propagation such as elevators or interlocking door control systems / entry cubicles, etc.

TIOX® FILTER

The reduction of the environmental atmospheric pollution can be achieved by a natural reaction, called **photocatalysis**.

This is realized by a photocatalyst (TiOx ®) which oxidizes, and then degrades, the pollutants. The TiOx ® is activated by an artificial source, such as the high emission UV-C lamps placed inside a UV-FAN-XS device. **Titanium dioxide** (TiO₂) nano-structured is the active ingredient that makes up the TiOx ®. As nano-structured, that is decomposed into a gel of particles of linear dimension comparable to one billionth of meter, TiOx ® has a large exchange surface and thus it is an excellent photocatalyst capable of degrading organic and inorganic pollutants such as VOCs, VOC (volatile organic compounds) and NOx (nitrogen oxide) produced by human activity. Another important activity of the photocatalytic effect of TiOx ® is affecting and destroying Formaldehyde, which is found in pressed wood, such as chipboard, but also in glues, fabrics and many other everyday products. Formaldehyde is proved to be highly carcinogenic.

Photocatalysis transforms the pollutants into salts (sodium and calcium nitrate) and carbon dioxide (CO₂). Moreover, TiOx ®, thanks to its receptive characteristics due to the fragmentation in nano particles, has the property to oxidize, or to decompose, the cells of bacteria in the presence of UV-C light, contrasting microbial growth. Finally inhibits the formation of bad odours, decomposing toxic gases and odorous compounds that are the source of these unpleasant phenomena and can cause discomfort to people living in indoor environments. Malodorous substances such as ammonia, sulphur and sulphur compounds, are indicators of anaerobic fermentation.



Tiox® filter
in air inlet.



OPERATION

UV-FAN-XS purifies and decontaminates the air through the following steps:

1. The air in the room is sucked and pass through an optical shielding and photo-absorbent labyrinth (according to ISO 15858 for the safety of UV-C devices).
2. The air goes through the TIOX® honeycomb filter positioned at the inlet.
3. Air is introduced into the germicidal chamber where, at a very short distance, UV-C High Output lamps with very high power, in combination with the TIOX filter, perform the process of eliminating microorganisms (viruses, bacteria, mould's) as well as other volatile organic and inorganic compounds present. The chamber is equipped with mirrored surfaces, strongly reflecting UV-C rays, which multiplies the effectiveness of the radiation.
4. Again, the air goes through the second TIOX® filter, located at the outlet.
5. The air goes through the very silent ventilator.
6. The decontaminated air is again introduced into the environment through a shielding, photo-absorbent optical labyrinth at the exit.



BENEFITS AND ADVANTAGES

a) PHYSICAL ACTION AND ENVIRONMENTAL PROTECTION.

Treatment by UV-C rays is purely physical, and achieves always the same effect; also, there are no problems of over-dose. Rather, many methods of chemical treatment involve the use of dangerous products for the environment, and difficult to biodegrade, as well as the risk of contamination of foodstuffs. Also, by the use of chemicals it is likely to develop resistant microbial forms with consequent danger to human health.

b) TOTAL SAFETY

Ultraviolet rays are confined to the inside of the device and cannot escape due to the presence of a light-absorbent optical labyrinth at the entrance and exit. Therefore, the air can be treated when operators are present, as much as they are the ones who are introducing the majority of the germs through respiration, transpiration, clothing, etc. Compliance with the **ISO 15858** standard that defines the safety requirements for devices with UV-C lamps.

c) BEST QUALITY AIR

This system can remain switched ON at all times without any contraindications for people. The level of environmental microbial load is thus maintained constantly low and the "indoor air" quality (IAQ) is improved, as prescribed and recommended by W.H.O. (World Health Organization). Compliance with **ISO 15714** that controls the UV-C dose emitted and necessary for the inactivation of airborne microorganisms transiting through the UV-FAN-XS device.

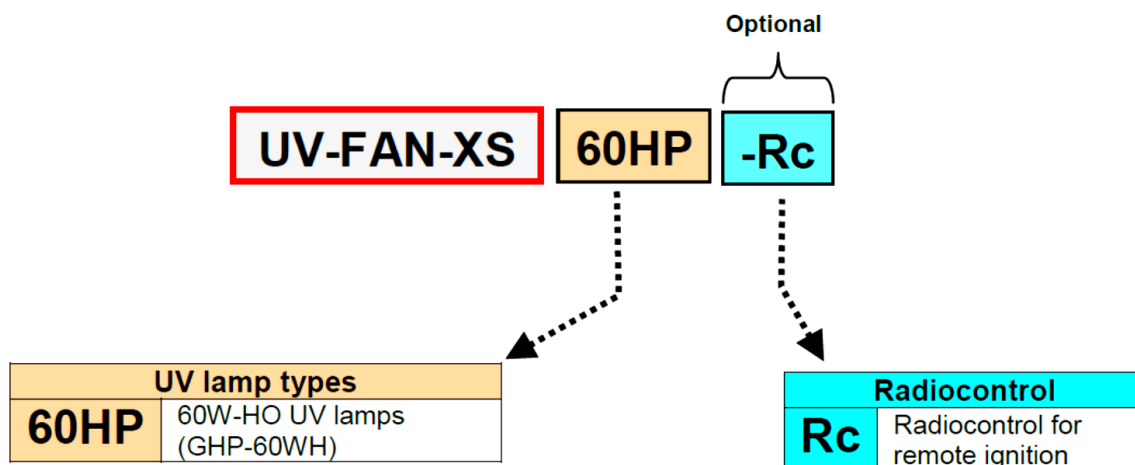
d) PRACTICABILITY AND SAVINGS.

The treatment is immediate and ready for use. The maintenance is minimal with low costs of both energy consumption and repairs.

CERTIFICATIONS

The UV-FAN action and performance are guaranteed by the Institute of Hygiene of Siena University and by SINAL Laboratories (certification system recognised by the Italian Ministry of Health) which is recognised as highly qualified laboratory, (D.M. 26/02/87, comma 4, Italian regulation 46/82), in accordance with the Good Laboratory Practices (GLP), EEC 88/320, D.L. 27/01/92 n. 120. Documentation available upon request.

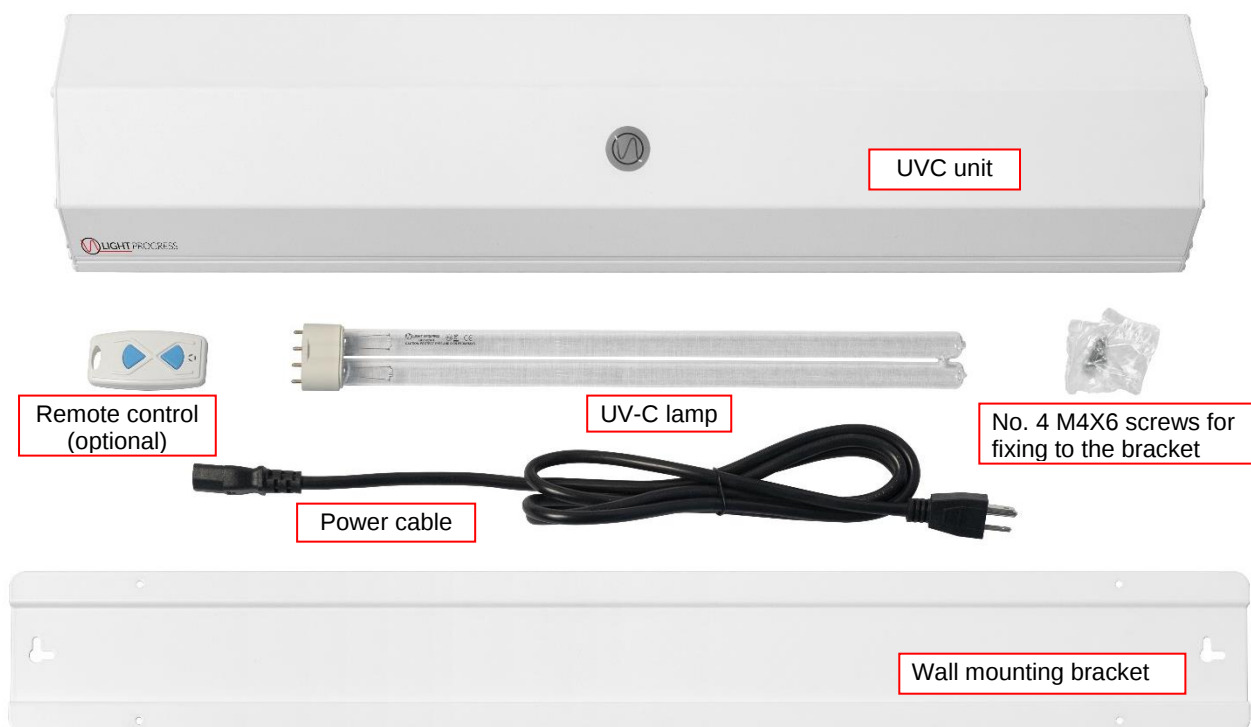
DEVICE CODES



RECEPTION

Handle with care as fragile material. Verify the integrity of the packaging, and please be careful not to damage the contents when using sharp blades or cutters to open the box.

Remove the unit from the box, then inspect it immediately to ensure that no damage has occurred during transport. Before installation and using the device please READ CAREFULLY THE SECURITY WARNINGS and all others instructions that follows.



DEVICE SET-UP

To open the UV-FAN-XS first remember always to disconnect the unit from the power supply and proceed as follows:

1) Using a screwdriver, unscrew the two screws on the cover. One of these screws is connected to a safety switch that turns off the UV-C lamp and the fan, to prevent accidental opening with the lamp on.



2) At this point you have access to the germicidal chamber where to place (or replace) the UV-C lamp. As well as for any repairs / replacements of other faulty parts. Please wear protective gloves of light cotton and avoid touching the walls of the mirror germicide chamber or the lamp with your bare hands or any utensil, they are both very delicate and should not be dirty

**WARNING!!!**

It is absolutely forbidden to expose yourself to UV-C, because they cause eyes irritation and skin erythemas.

Therefore, DO NOT open the device cover when it is switched on.

WALL INSTALLATION

This model can be fixed to the wall (horizontally or vertically) or to the ceiling (directly or lowered with a chain, not supplied). In any case, it must be positioned centrally to the room (avoid placing it in hidden areas, such as corners) because the air drawn and treated must be allowed to affect the entire room without impediments).

The area or volume covered by the UV-FAN-XS devices is shown in Table 1. The final result of the disinfection obtained will in any case be linked to the more or less high value of the continuous external contribution of germs into the environment during UV disinfection.

To mount the device, use the omega bracket supplied. This must be fixed, using self-tapping screws and / or dowels (not supplied) suitable for the type of wall or ceiling present. The diameter of the head of the self-tapping screws must not exceed 10 mm., To allow them to pass freely through the slots on the bracket.

- 1) Carefully place the bracket on the wall with a level that is level and mark the 2 holes on the wall corresponding to the center of the bracket slots.
- 2) drill the wall, insert the dowels and screw the screws (without the bracket), however do not get to the bottom to tighten.
- 3) Secure the bracket to the UV-FAN-XS using the 4 M4X6 screws supplied and the 4 M4 nuts present on the two guides on the back of the UV-FAN-XS. The nuts are slid with a screwdriver to bring them into correspondence with the holes on the bracket.



Nut M4

Screw the M4x6 screws at the nut and tighten firmly.



- 4) To finally install the device to the wall, insert the head of the self-tapping screws, already screwed on the wall, into the two slots of the bracket and, checking with the level, tighten them strongly to the bracket.

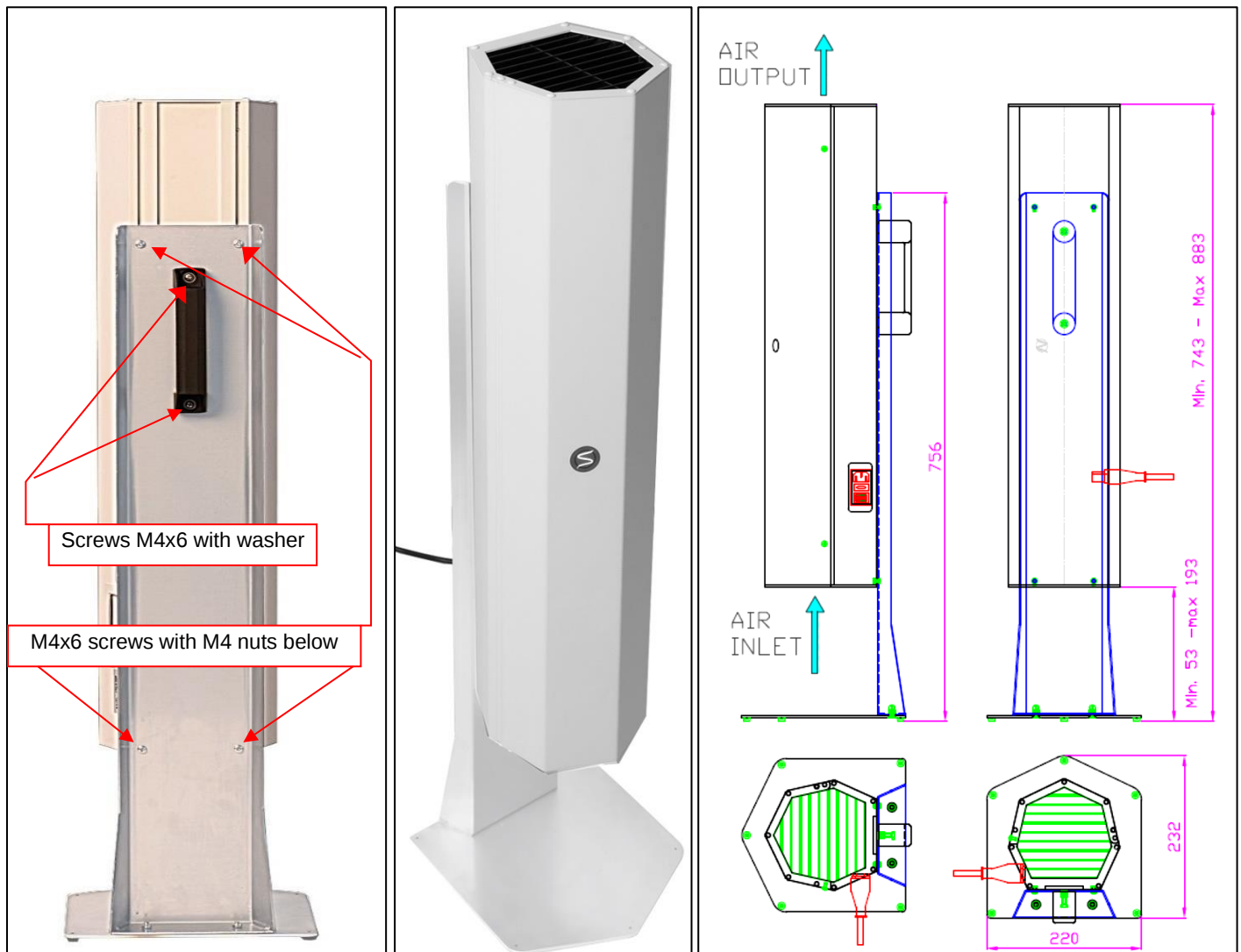
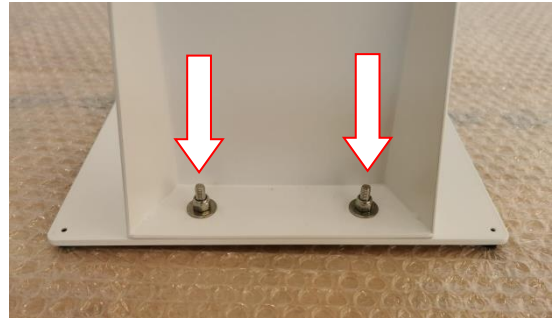


STAND INSTALLATION

This model also has a stand, included as optional (weight of the stand alone Kg. 3,3).
In this case you don't need the omega bracket supplied.

Assembly steps:

- 1) Join the base of the upright with the upright using the 2 M6x16 countersunk screws and the 2 M6 locking nuts, as in the picture on the side.
- 2) Fix the black handle using the appropriate M4x6 screws with washers as in the picture below.
- 3) Fix the stand to the UV-FAN-XS using the 4 screws M4X6 supplied and the 4 M4 nuts present on the two guides on the back of the UV-FAN. The nuts are slid with a screwdriver to bring them in correspondence with the holes on the upright.
- 4) Place the UV-FAN at the desired height from the ground and tightly tighten the M4x6 screws.



ELECTRICAL CONNECTIONS

- ⇒ It is recommended that the device must be installed by a qualified electrician who should strictly follow these instructions and general regulation for electrical installations.
- ⇒ Before connecting the device verify that specifications on the tag correspond to those of the power supply (variation of +/- 5 % are allowed) the operating voltage of the unit is 240V, 50/60Hz.
- ⇒ Ensure that the electric supply is suitable for providing the electricity required by the device (see tag details)
- ⇒ The connection required an interruption through a multipolar switch
- ⇒ The connection to the electrical line must be done by the cable 3 x 1 mm² provided
- ⇒ Ensure that the device is suited to the room into which it is to be installed.
- ⇒ if the device does not have the hour-counter (optional), it is advisable to install a hours counter on the control board to track the exact substitution times of U.V. lamps.
- ⇒ Avoid placing the power supply cable near a source of heat and protect it from sharp corners, waters and oils, since they may damage the device.
- ⇒ There is a fuse holder with a 4 A fuse close to the power cord output of the unit. If the unit does not turn on, always disconnect the power and then check the fuse.
- ⇒ At the end of this manual you will find the wiring diagram of this appliance



OPERATING

Power up the unit, then the UV-C lamp will turn on and the fan will start to run. The light of the lamp will be visible by the brightness of the wave on the porthole on the cover. The unit can remain on 24 hours a day without any contraindications..



OPTIONALS

REMOTE CONTROL

► UV-FAN-XS... -Rc

The radio control is useful for remote switching on, without operating on the ON OFF switch in the device body.

It consists of a receiver inside the device - near the electronic ballast - and a transmitter.

The transmitter works as follows:

- By pressing the top button on the remote control, the red LED above the button will flash and the air purifier will turn ON. If you press the button again, the device will turn OFF.
- The button below the remote control is not used in this case.



MAINTENANCE**UV LAMP****USE
PROTECTIVE
GLOVES****WEAR
PROTECTIVE
GLASSES**

This maintenance operation is very important because the UV-C light emitted by the lamp is not visible to the naked eye, so although you see the lamp on, its germicidal effectiveness may not be sufficient.

If the UV-C lamp gets dirty (or dusty) clean with cloth and alcohol and avoid touching the glass part with your hands. The life of the UVC lamp is a maximum of 18,000 hours.

ALWAYS remove voltage before accessing it. For the code of the replacement lamp see tab. 1.

Once the hours foreseen for replacement have been reached, the lamp must be replaced; this operation is carried out as follows:

- 1) proceed with opening the fixture as described in the chapter "OPENING THE EQUIPMENT".
- 2) Grab the baseboard (right) inside which the "U" shaped lamp is inserted.
- 3) With the other hand, grab the head of the lamp and pull it slightly to the left, freeing it from the socket.
- 4) Extract the lamp from its holder and reassemble the new lamp by repeating the operations in reverse order.

TROUBLESHOOTING**UV LAMPS**

See maintenance section.

PROTECTION FUSE

If the purifier does not turn on, make sure that power is supplied and check the integrity of the PROTECTION FUSE located near the power cord outlet.

ALWAYS disconnect the power, then remove the fuse holder by unscrewing it with a slotted screwdriver. Check the integrity of the fuse filament and if burned, replace it with a 4 A fuse holder.

Reinsert the fuse holder into its housing.

BALLAST

UV-FAN-XS models are powered by specific electronic ballasts that guarantee 15% higher lamp emission than traditional ballasts. Furthermore, lamps are not affected by temperature (ballast can operate down to -20°C). Another advantage is that lamps are immediately switched on (without pre-heat or starter) and their life is in this way longer. For the code of replacement electronic ballast see tab. 1. To replace the ballast in case of failure, **ALWAYS** disconnect the system from main power supply, then:

- 1) open the device following instructions in chapter "OPENING THE EQUIPMENT".
- 2) Remove the lamp according to the procedure described.
- 3) Unscrew the 4 screws on the germicidal chamber base (under the lamp) with a screwdriver. Now the mirror casing will be easily removable, and you will be able to access where there the power supply is located.
- 4) Disconnect the electrical wires on the right (4 wires) and the left (3 wires) by pressing with the tip of a small screwdriver on the clips corresponding to each wire, then release it. Pay attention to the succession of connections because each wire-colour will have to reoccupy the same position once ballast (EB90H or EB120H) is replaced.
- 5) Replace with a new ballast (equal, same code) and reconnect the electrical wires paying attention to the succession.
- 6) Replace the cover by repeating the operations in reverse order.

TECHNICAL FEATURES

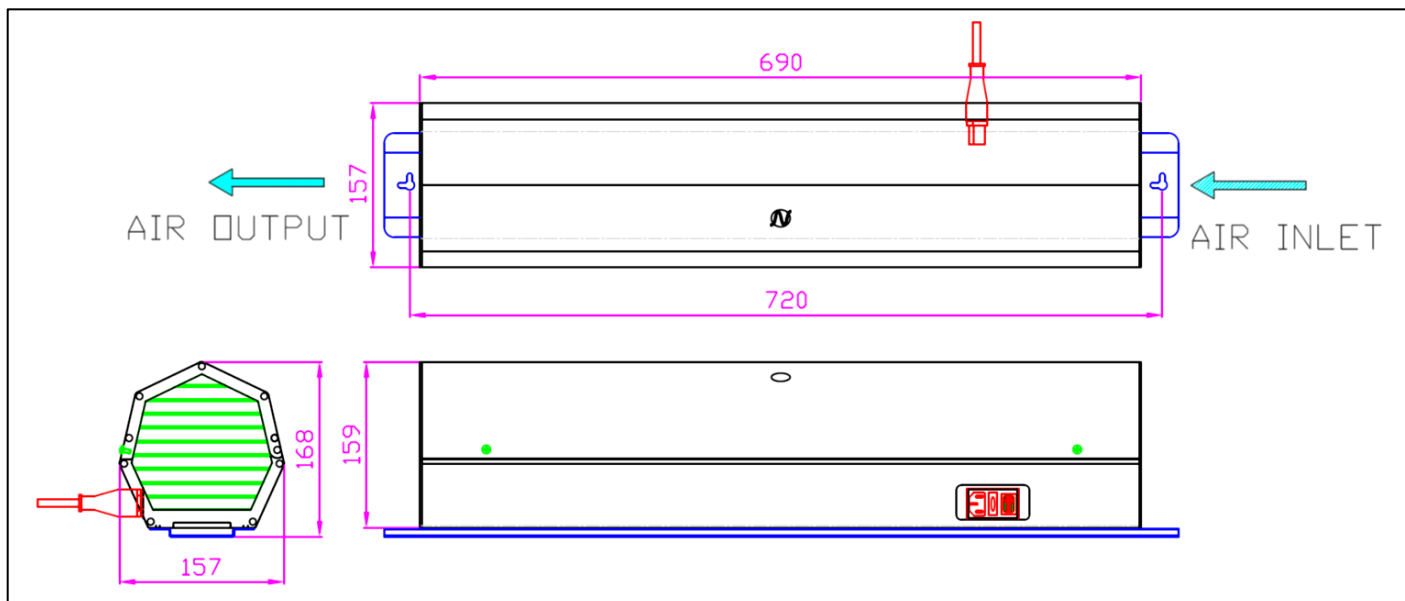


TABLE n°1

UV-FAN-XS	60HP
Lamp life	≤ 18.000 ore*
Power supply - Total power supply	220-240V 50/60 Hz - 70W
Dimensions	690 X 157X h168 mm..
Air Flow	70 m³/h
Total Microbial load Reduction	>99,9%
Weight (with mounting bracket)	4.5 Kg
SPARE PARTS	
Spare UV lamp model	GHP-60WH
Power supply model	EB-90H / EB120H
Ventilator	

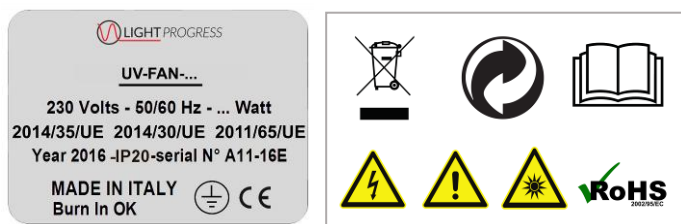
* = continuous operation

FEATURES:

- Extruded aluminium body painted with epoxy powders (white = RAL 9003)
- Selective UV-C lamp (at 253.7 nm.) with high efficiency and high UVC power, ozone-free for use in the presence of people 24/7.
- Internal germicidal chamber made of ultra-pure mirror bright special aluminium with high UV-C 253.7nm reflectivity
- 24/7 Treatment continuity: use in the presence of people. ISO 15858 standard for safety of devices with UV-C lamps.
- Special photocatalytic titanium dioxide TiOx® technology (**Registered Trademark of Light Progress Srl**) for the elimination of organic and inorganic pollutants VOCs and NOx.
- Complies with ISO **15714** standard that certifies the UV-C dose emitted and required to perform disinfection.
- Meets the noise standards of Directive 2006/42/EC <36db at 1mt
- Wall installation, floor installation kit available (STAND optional)
- Porthole for visual inspection of the lamps, transparent to visible light but preventing the passage of UV-C rays
- Long cable with plug (2mt)
- **Safety microswitch**: that switches off the lamps if the cover is opened and lamp exposed, to perform maintenance in safety.
- CE marking (LVD 73/23 - EMC 89/336 - MD 93/42), ISO 60335-1-2
- Power supply with specific electronic ballast for UV-C lamps
- All materials used are tested to withstand intense UV-C radiation.
- Suitable for installation in class 1 - protected areas.

LABEL AND SYMBOLS

Example:



SYMBOL			
MEANING	Warning! Check the attached documentation	GROUND TERMINAL (The unit must always be connected to the ground)	Device with CE certification.

WARRANTY

All products made by LIGHT PROGRESS are manufactured using only materials of the higher quality, and are subjected to rigorous testing, and are guaranteed to be free of factory faults according to current law and regulations.

♦ Minimum requirements for warranty validity

Warranty will be considered valid only in case of possession of the purchase document.

♦ Warranty limits

Warranty excludes

- ♦ Damages caused by not following the instructions that accompany the product at purchase.
- ♦ Periodical controls, maintenance, repairs or replacements of parts due to normal wear.
- ♦ Consumable parts.
- ♦ Use of incompatible spare parts or consumables; Compatibility is assured only by use of products purchased from or recommend by **Light Progress**.
- ♦ Damages caused by modification of device / system without **Light Progress**' previous consent.
- ♦ Improper use of the product, falling or crashes.
- ♦ Modifications or repairs made by unauthorized personnel.

For defective materials return, you must request the return merchandise authorization (RMA) sending an email to info@lightprogress.it or calling the number +39.0575.749255.

Once you receive the module, it has to be filled up in every part and sent via email to info@lightprogress.it or via fax to +39.0575 789929 to obtain the RMA number that will authorize the shipments of the goods to Light Progress warehouse. Only authorized goods will be accepted, otherwise it will be refused and sent back to the sender on ex-works conditions. The packages must be sent on DDP (Delivery Duty Paid) with packaging suitable for transport. RMA number is valid up to 10 working days from release date.

MANUFACTURER RESPONSIBILITY AND COMMITMENTS

✎ **Light Progress** do not assume any responsibility for any damage to persons or property, due to failure to follow these instructions. We recommend you to carefully read all the given instructions.

✎ The manufacturer agrees with the buyer to provide, upon request, schemes of circuits, component parts lists, instructions for calibration of lamps and other information, which are useful to repair those parts that the manufacturer considers repairable.

✎ The company reserves the right to make changes without prior notification or public notice.



DECLARATION OF COMPLIANCE

We, LIGHT PROGRESS S.r.l., hereby declare under our own responsibility that the following units of own production:

UV-FAN-XS series

- are in accordance with EEC directive 2014/30/EU (Electromagnetic Compatibility)
- are in accordance with EEC Machinery Directive dispositions 2006/42/EU
- are in accordance with EEC Low Voltage Directive 2014/35/EU
- are in accordance with EEC (RoHS) 2011/65/EU (D.Lgs 4 Marzo 2014, n.27)

TECHNICAL STANDARDS APPLIED

UNI EN ISO 12100:2010	Safety of Machinery - Basic Concepts, General Principles for Design - Risk assessment and risk reduction
UNI EN ISO 13857:2008	Safety of Machinery - Safety Distances to prevent danger zones being reached by the upper and lower limbs (2008)
ISO 14120:2015	Safety of Machinery - Guards - General Requirements for the Design and construction of fixed and movable guards
UNI EN ISO 13849-1:2016	Safety of Machinery - Parts of the Control System related to the Safety – Part 1: General Design Principles
UNI EN ISO 14119:2013	Safety of Machinery - Interlocking devices associated with guards - Principles for design and selection
CEI EN 60204-1/2016	Safety of Machinery - Electrical Equipment of Machines. Part 1: General Rules (2010)
EN 61439-1:2011	Low-voltage Switchgear and Control Gear Assemblies. Part 1: General rules

FURTHER TECHNICAL STANDARDS APPLIED:

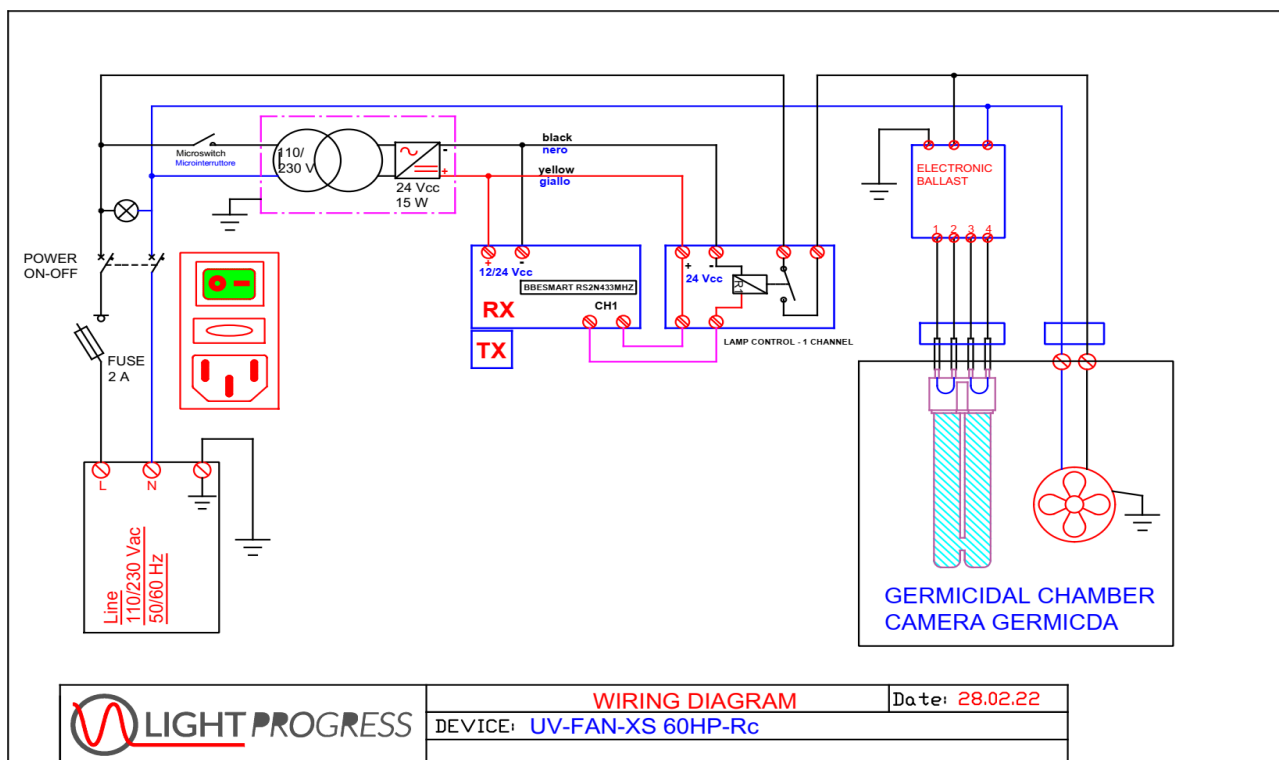
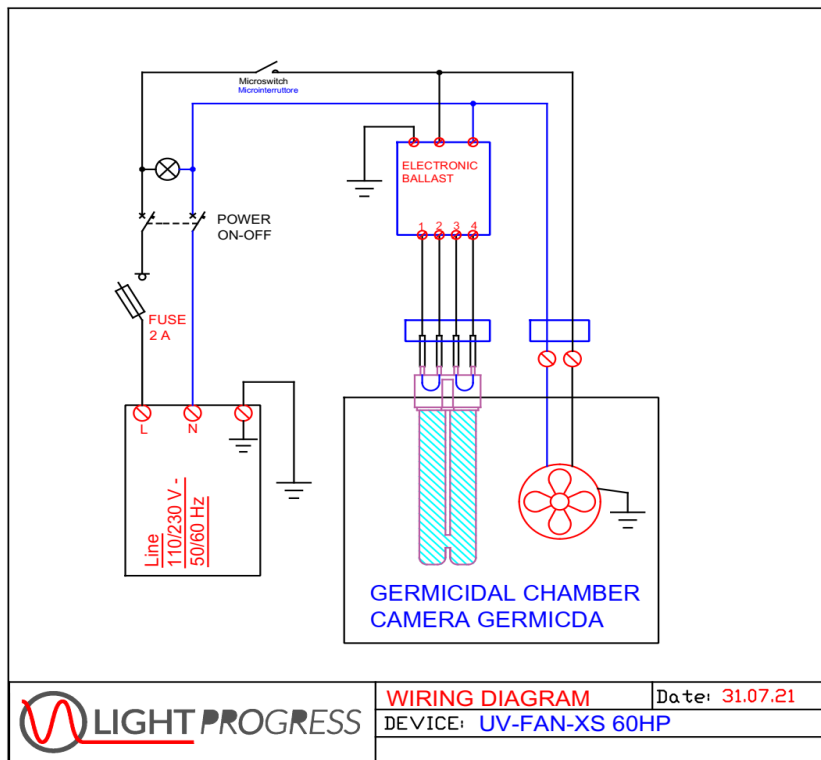
IEC EN 60335-1 "Safety of household electrical appliances and similar"
Electronic Ballasts for the control of the lamps in accordance with the standard EN 60928.
Germicidal UV-C Lamps in accordance with EN 61199.
Electrical Protective Measures in accordance with IEC 70-1, EN 60229.

Anghiari, 5.10.2022



Responsible for Standards: Dr. Aldo Santi

LIGHT PROGRESS S.r.l. Loc. San Lorenzo, 40 - 52031 ANGIARI (AR) - ITALY - <http://www.lightprogress.com>



LIGHT PROGRESS
UltraViolet Germicidal Irradiation



**DISINFECTION
CONTROL SYSTEMS**

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