A UV sterilizer ELECTROLUX PALENZO is an apparatus that has a silicon light bulb that radiates UV radiation when lit. The lamp is hermetically sealed in a case that does not let through the UV rays.

SP-I

- Input 16 W
- Water flow 6m³/h
- Stainless steel
- Applicable with salt water

SP-II

- Input 40 W
- Water flow 9 m³/hour
- Stainless steel
- Applicable with salt water

SP-III

- Input 65W
- Water flow 12 m³/hour
- Stainless steel
- Applicable with salt water

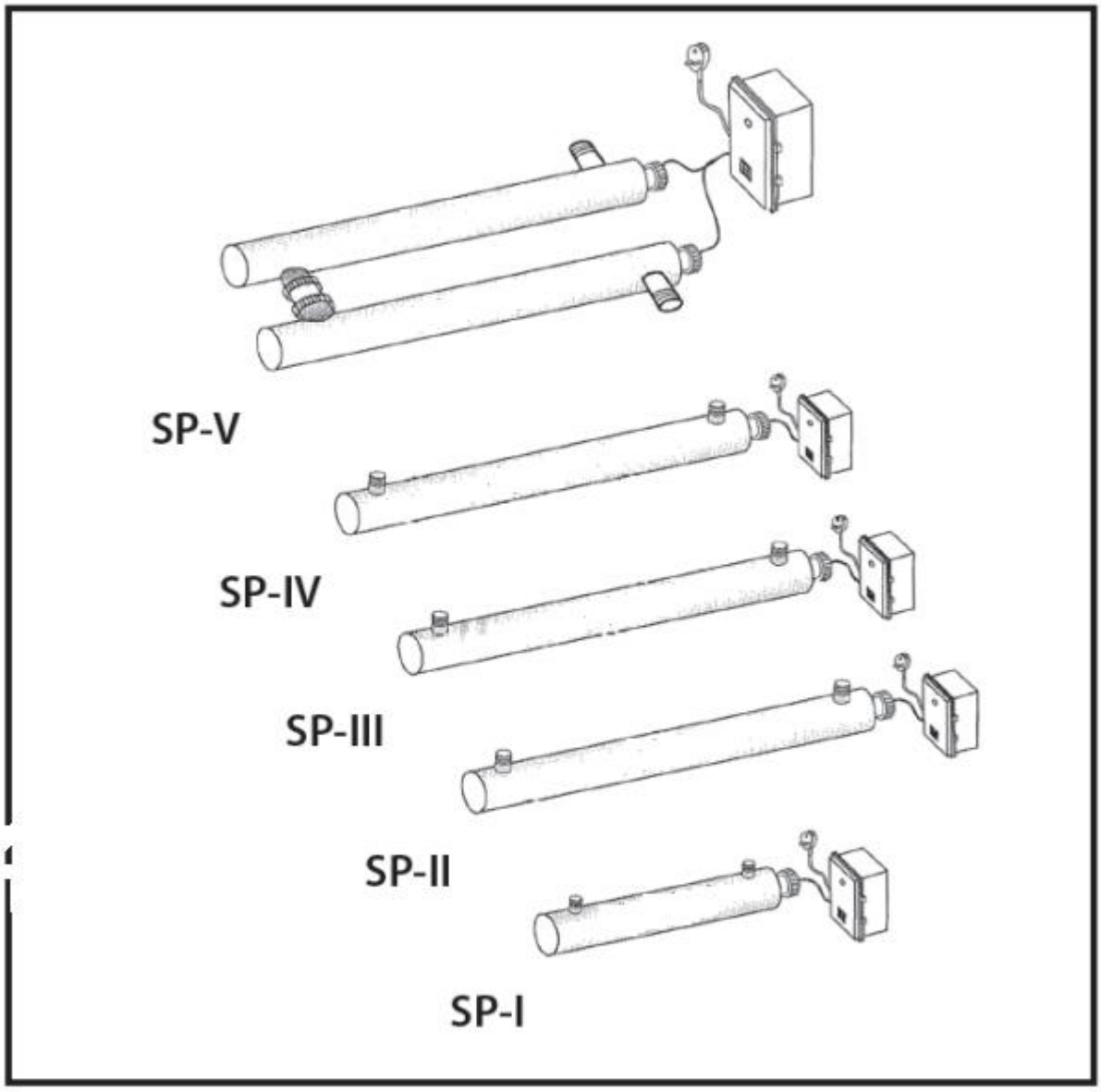
SP-IV

- Input 85 W
- water flow 15 m³/hour
- stainless steel
- applicable with salt water

SP-V

- Input 2x85 W
- Water flow 20 m³/hour
- Stainless steel
- Applicable with salt water

UV lamp - SP



INSTALLATION AND USER GUIDE

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SP set
SP-I, SP-II, SP-III, SP-IV, SP-V

Introduction
Before the first use, please read instructions carefully for this installation. In order to use this device safely, follows the security recommendations.

Operation
The UV lamps produce UV-C (ultra-violet) radiation of a wave length of 253,7 nm that has bactericidal effects (it kills bacteria). The SP UV product provides clean, fresh and clear water through a simple and efficient method, and with regard to the environment. The water is pumped through the UV unit. The water inside is exposed to UV-C radiation of the wave length of 253,7 nm produced by a special lamp. This installation kills bacteria, viruses and other primitive organisms and prevents their reproduction. In consequence of the length of the unit the water is exposed to a bigger amount of radiation for a prolonged period. Besides, the stainless interior reflects the UV-C radiation and increase the efficiency of the installation of 35%. The stainless interior is refined by the electrolyze process and thus prevent the dirt from sticking to the surface and keep the maximal reflectance. With the SP UV product your water will be efficiently and safely disinfected and you will obtain the high-quality water.

Advantages of the water modification by the UV lamps
• Obtaining fresh, clean and clear water
• Efficient and safe water disinfection
• Your water will be protected against pathogenic organism
• Minimizing of mould, bacteria and algae creation
• Can reduce the percentage of chlorine and other chemicals by up to 80%
• Prevent the creation of a chlorine smell and skin and eyes irritation (red eyes)
• Procedure is respectful of the environment in comparison with traditional methods

SP UV characteristics
• Thanks to the inner reflection the efficiency is up to 35% higher
• Stainless reflection interior refined by an electrochemical way that minimize dirt sedimentation
• UV lamp with 8,000 hours lifetime
• Easy installation, maintenance and cleaning

Direction for use

1. This installation is able to kill harmful bacteria and fold in the water and provides thus a healthy environment.
2. If the ultra-violet radiation of the wave of length 253,7nm operates for a short term, bacteria and germs will be destroyed in the water.
3. This installation does not belong to the water pump. Buy it separately.
4. Connect the UV lamp to the pipe circuit of the displacement behind the filtration container.
5. Connect the admission pipe to the water pump displacement.
6. Connect the admission pipe to another filter. After checking the pipe and the connection piece, the water circulation can be turned on.
7. After turning the water circulation on, incline the lateral surface of this installation and bleed the pipe or the lateral surface. Check after several minutes if the water circulation operates in an appropriate way.
8. The UV lamp will operate while turning the electric supply on.
9. Fix the grounded cable to the tightening bold of the holder (8)!!!
10. Only authorized person with an appropriate qualification can execute mounting and mending.
11. Do not insert any material (paper, rubber, etc.) between the holder (8) and the body of the UV-lamp that would obstruct from earthing.

Warning

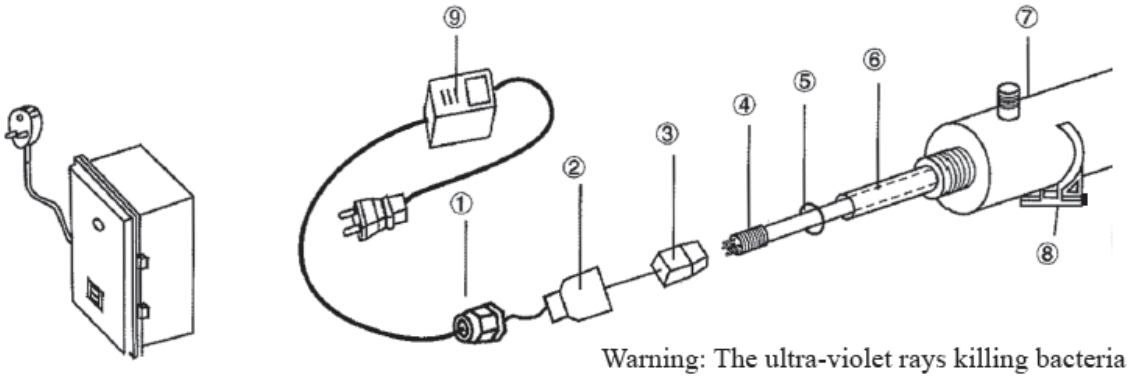
1. Place the UV lamp in such a way that it is not immersed in the water. It is not possible to use this installation under the water.
2. The electric supply of the UV lamp must not be turned on before the water start circulation.
3. Place the UV lamp on the stable and safe place because the UV light tube is made from the silica glass and can be easily broken.
4. All components must be installed before switching on the electric supply.
5. If the UV light tube seems to be broken or the lateral surface appears broken, do not use the installation.
6. Electric supply must be operated only by a qualified electrician.
7. Make sure that use of the voltage and frequency is in conformity with specifications on the tag of the UV lamp.
8. It is necessary to follow local installation regulations while installing the mechanism.
9. It is forbidden to pull the connector cable. Protect the connector cable against heat, grease and sharp objects.
10. Make sure that the pressure effecting on the lateral surface is not higher than 0,3 bar.
11. Do not place any stop valves between the lateral surface and the connector pipe. If it be to the contrary, it would influence the hydraulic pressure effecting the lateral surface.
12. If the frost is supposed to come, remove the UV installation.
13. Do not expose the UV lamp on the direct sun.
14. The dirt on the silica glass tube will affect the efficiency of the installation, do clean the silica glass tube when necessary.

15. To ensure the efficiency of the installation, it is necessary to exchange the UV light tube after 8,000 hours of the use.
16. If the lateral surface is blocked by sand or dirt, the silica glass tube can be damaged. Do place a sieve in the water pump suction.
17. The UV lamp is harmful to your eyes and skin. Do not look directly at the UV lamp and do not make any contact with your skin.
18. While installing or mending this installation, switch off the electric supply.
19. This installation produces dangerous radiation. The direct contact might be dangerous for eyes and skin.
Do check the UV lamp through transparent connections of the unit.

TECHNICAL SPECIFICATIONS					
Type	SP-I	SP-II	SP-III	SP-IV	SP-V
Voltage	230V	230V	230V	230V	230V
Power	16W	40W	65W	85W	85W
Maximum flow	6000 l/h	9000 l/h	12000 l/h	15000 l/h	20000 l/h
Maximum pressure	3 bars	3 bars	3 bars	3 bars	3 bars

Mounting

Warning: The UV lamp and the silica glass tube can be easily damaged. Be careful while detaching the lamp and silica glass tube or while putting these components back!



Warning: The ultra-violet rays killing bacteria are harmful to your eyes and skin.

List of components:

1. waterproof brushing
2. aluminium nut
3. lamp holder and supply lead of the lamp
4. ultra-violet lamp killing bacteria
5. rubber O-ring
6. silica glass tube
7. chest
8. holder
9. feeder

Recommendations for maintenance

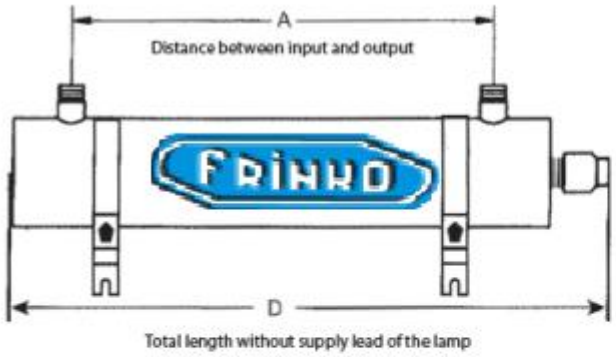
For the correct function and maintenance of the sterilizer, the user must make following service:

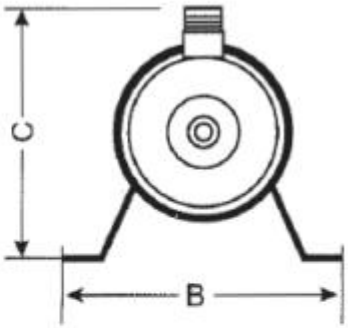
I. Cleaning or exchange of the silica glass tube:

1. It is necessary to clean the silica glass tube every three to six months. Clean it by the use of alcohol or a detergent.
2. The silica glass tube has to be changed every 24 months.

II. The exchange of the UV lamp is recommended every 8,000 to 9,000 hours of the operation (Approximately 12 months of permanent running).

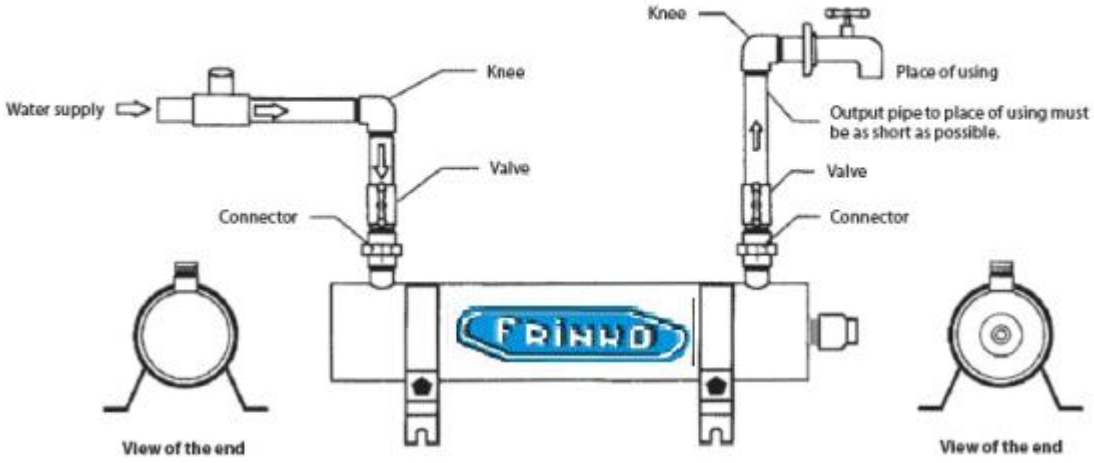
1. Remove the waterproof brushing (1) and unscrew the nut (2).
2. Run out carefully the lamp (4) about 5cm from the chest (7).
3. While holding the end of the lamp (4), remove carefully the lamp socket (3) from the exposed end.
4. Pull out carefully the lamp (4) from the chest (7).
5. Remove carefully the O-ring from both ends of the silica glass tube (6).
6. Remove carefully the silica glass tube (6).
7. Connect the grounded cable (10) on the holder (8).





NOTE: LINE CONNECTOR AND SUPPLY LEAD OF THE LAMP CUT OUT DO TO INCOMPREHENSIBILITY

MODEL	A	B	C	D	SIZE OF INPUT AND OUTPUT
SP-I	276	175	155	420	1 1/2"
SP-II	786	175	155	930	1 1/2"
SP-III	786	175	155	930	1 1/2"
SP-IV	786	175	155	930	1 1/2"
SP-V	786	175	155	930	1 1/2"



Notes:

1. Install the UV lamp on the accessible and properly illuminated place to faciliate inspections and maintenance.
2. Do not let the UV lamp get frozen.
3. Maximum recommended temperature of the environment is 32,2°C.
4. Standard supplies provided 120V/60Hz a 230V/50Hz
5. Maximum recommended operating pressure is 3 BARS

Conditions of guarantee
Conditions of guarantee abide by the trading and guarantee conditions of your supplier.
Secure disposal of the product after the lifetime expiry
After the lifetime expiry, ensure its ecologic disposal made by a skilled company
Complaints and customer service
Complaints abide appropriate consumer protection rights. In the event of unrecoverable effect address the written complaint to your supplier.

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