



Stainless Steel Super Nova UV Owner's Manual



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Before installing this device, please read these instructions very carefully.

Technical specifications UV-C

Model	Watts	Pond Size	Max. flow	Max. pressure
STSN-40W	40W	10,000 gal	5,000 gph	43.5 psi
STSN-55W	55W	14,000 gal	6,500 gph	43.5 psi
STSN-75W	75W	19,000 gal	7,500 gph	43.5 psi

How it Works

The UV-C lamps generate UV-C radiation at a wavelength of 254nm, which has a bactericidal action.

- UV-C device with stainless steel interior
- Up to 35% higher UV-C output due to reflection
- Protects your Koi against germs
- Controls the growth of fungi, bacteria and algae
- Cleans pond water without the use of chemicals
- Makes the pond water clear again
- Safe for Koi and other fish
- This UV-C device is grounded

This UV-C device ensures a clear pond with healthy fish. The pond water is pumped through the UV-C device, where it is exposed to UV-C radiation at a wavelength of 254 nanometers. The radiation is produced by a special light, which ensures that germs and bacteria are not given the opportunity to develop. The water is exposed to an extra-long radiation time, thanks to the length of the device. Furthermore, the stainless steel interior reflects the UV-C radiation, which increases efficiency by up to 35%. The stainless steel interior is electrolytically polished, so that practically no dirt particles can adhere to the surface and the full power of reflection is retained. During the frost-free period the device is used 24 hours a day, so as to achieve an optimal result. Thanks to this UV-C device your pond water will become clear within 14 days and your Koi will be in peak condition.

LIMITED WARRANTY

Products manufactured by ANJON are warranted to the original user only to be free of defects in material and workmanship for a period of 24 months from the date of purchase, but not more than 30 months from the date of manufacture. ANJON liability under this warranty shall be limited to repairing or replacing, at ANJON's discretion, without charge, F.O.B. ANJON will not be liable for any cost of removal, installation, transportation, or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by ANJON are subject to the warranty provide by the manufacturer of said product(s) and not by ANJON's warranty. ANJON will not be liable for damage or wear to products caused by abnormal operating conditions, accident, abuse, misuse, unauthorized alteration or repair, or if the product was not installed in accordance with ANJON's printed installation and operating instructions.

To obtain service under this warranty, the defective product must be returned to the distributor or dealer of ANJON's products from which it was purchased together with proof of purchase and installation date, failure date, and supporting installation data. Unless otherwise provided, the distributor or dealer will contact ANJON or an authorized service station for instructions. Any defective product to be returned to ANJON or a service station must be sent freight prepaid: documentation supporting the warranty clam and/or a Return Material Authorization (RMA) must be included if so instructed. In the absence of suitable proof of purchase date, the effective date of this warranty will be based upon the date of manufacture.

Any replacement product may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced. No requests for service under this warranty will be accepted if received more than 30 days after the term of the warranty. Correction of defects, in the manner and for the duration of the warranty described in this warranty, shall constitute complete fulfillment of all liabilities and responsibilities of ANJON to the user with respect to the product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. Except for the obligations specifically set forth in this warranty, in no event shall ANJON be liable for direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory and whether advised of the possibility of such damages.

ANJON reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such a change or improvement.

THERE ARE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PRUPOSE, WHICH EXTEND BEYOND THOSE WARRANTIES DESCRIBED OR REFERRED TO ABOVE EXCEPT AS EXPRESSLY HERIN PROVIDED THE GOODS ARE SOLD "AS IS", THE ENTIRE RISK AS TO QUALITY AND FITNESS FOR A PARTICULAR PURPOSE, AND PERFORMANCE OF THE GOODS IS WITH THE BUYER, AND SHOULD THE GOODS PROVE DEFECTIVE FOLLOWING THER PURCHASE, THE BUYER AND NOT THE MANUFACTUREER, DISTRIBUTOR, OR TERTAILER ASSUMES THE ENTIRE RISK OF ALL NECESSARY SERVICING AND REPAIR.

Some jurisdictions do not allow the exclusions or limitation of incidental or consequential damages and some jurisdictions do not allow limitations on how long implied warranties may last or require you to pay certain expenses as set forth above. Therefore, the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdictions to jurisdiction.

Figure 1

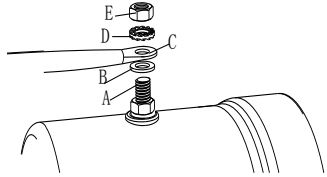


Figure 3

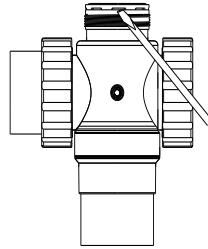


Figure 2

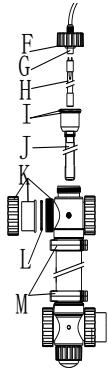
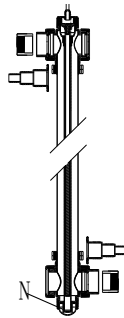


Figure 4



Drip Loop



Safety

This device produces dangerous radiation. Direct contact can be dangerous to the eyes and the skin. Therefore, always check the operation of the UV-C lamp only via the transparent attachments on the unit.

- Do not use the device if any parts are damaged. (The quartz glass in particular).
- Switch off if there is no water passing through the device.

The electricity safety regulations must be applied if the device is to be permanently attached to the electrical mains. If in doubt about the installation please contact a professional electrician or your electricity supply company.

- Remove the device during the winter months, when there is a danger of frost.
- The cable of this device is not replaceable. In the event of damage to the cable the whole device must be destroyed.
- The lamp will remain warm for about 10 minutes after the device is switched off.

Grounding installation (Figure 1)

1. Position a gasket (G), hexagonal nut (B) of the bolt, and fasten the hexagonal nut (B)
2. Position the gasket (C) of the cable (F) over the bolt (A) which comes out of the housing.
3. Position a serrated washer (D), grounding cable (B) another washer (C) and then Hexagonal nut (B) on the end ring (G).
4. Finally, position the locking nut (E) on the bolt (A).
5. If the various screws have been positioned in the correct sequence on the grounding bolt (A) then this can be tightened with an open-ended spanner or a ring spanner number.
6. Make sure that it is not over-tightened because this can break the strain relief. (The transparent nut, which is screwed onto the bolt by delivery, has no longer a function and can be discarded).

Installation (figure 2)

This device must never be put in the water. Always install outside the pond.

Switch the device off when adding any chemicals or water treatments.

1. Fit the unit with the three-piece couplings (I) in the circuit.
2. Fit the unit with the pipe clips (O) (supplied with the set) at a permanent installation point and tighten the three-piece coupling (I).
3. Fit the lamp (K) in the white lamp holder (L); then slide the lamp (K) carefully into the quartz glass (M) and tighten the screw cap (N) finger-tight on the unit.
4. Start the pump and check the flow of the system and that it is not leaking. Then check the seals (P) for correct positioning both at the connections and the quartz glass (see figure 2)
5. Plug the power lead of the UV-C device into an grounded electrical socket with an earth leakage switch. Check that the lamp lights up; this can be seen through the transparent attachments on the device.
6. The device is switched off by removing the plug from the electrical socket.
7. Make sure there is enough room (+/-1 yrd.) to remove the remove the lamp (K) Quartz glass (M) for replacement and/or maintenance.

Dismantling /Maintenance (figure 2)

During maintenance/dismantling always disconnect electrical current. The device needs to be cleaned twice a year. If algae or lime scale forms on the quartz glass tube (M) containing the lamp, it must be cleaned. The special lamp must be replaced after 9,000 hours. Clean the stainless steel interior with a soft brush.

1. Unscrew the three-part couplings (I) and allow the water to flow out of the device.
2. Twist the cap (N) containing the lamp off the device and replace the special lamp (K) if needed. Please handle with care as these are very delicate parts.
3. Carefully remove the quartz glass (M) with a large flat screwdriver (see figure 3). Never force it!
4. Clean the quartz glass with an appropriate solution. Always use a soft

cloth to clean the glass to prevent scratches.

5. When replacing the quartz glass in the housing make sure that it is placed on the seals (P) correctly and carefully slide the end of the quartz glass into the receiving guide (Q) (see figure 4)

If the housing or the electrical section must be replaced then the grounding should first be disconnected from the housing. When assembling a new housing or electrical section then please read installation and dismantling/maintenance first. Make sure that you keep the various bits of the grounding properly. There are not supplied with a new housing or electrical section. If there is any doubt about the connection, consult a certified electrician.

Recycle information

The symbol of the barred bin printed on the product means that it must be collected separately from other rubbish when it will not be in use anymore. The user, at the end of the life of the product, will have to bring it to a proper rubbish collection center for electric and electrical devices. Alternatively he can return the used product to the seller at the moment he buys a new unit, but only in proportion 1 to 1. A differentiated refuse collection is environmentally friendly and it helps the recycle of the materials, any other collection procedure is unlawful and will be subject to the law in force.