



UVC Units – test & maintenance





- Pictures in this document come from a test on a filter + UVC Topclear Kit 5000, model March 2024 (green lock), and filter + UVC Topclear Kit 10000, model 2021 (red lock)
- Most of our UVC units work on the same principle : even if the filter you have a request on is not the same model, the test process is the same !

Important Notes



ALWAYS UNPLUG THE ELECTRICAL EQUIPMENT OF YOUR POND BEFORE ANY MAINTENANCE !



UVC RADIATION CAN CAUSE **SEVERE, IRREVERSIBLE DAMAGE TO YOUR EYES: NEVER LOOK DIRECTLY INTO AN OPERATING UV LAMP**. WEAR THE RECOMMENDED PPE, OR PERFORM TESTS USING A NON-UVC LAMP.



PROPER EQUIPMENT MAINTENANCE ENSURES LONG EQUIPMENT LIFE AND WARRANTY COVERAGE!

WE RECOMMANDE, EVERY YEAR, TO CHANGE THE UVC LAMP AND TO CLEAN THE QUARTZ WITH A DESCALING PRODUCT (PUMP & UVC CLEAN[®] OR WATER + WHITE VINEGAR SOLUTION)

WHEN CLEANING THE QUARTZ, ALSO CHECK THE RINGS STATE !



1. UVC with Green lock (>02/2024)

A. Access to the UVC ballast



Here is the filter top. Take out the grey cover by pulling it up.



We can now see the UVC head in the UV housing.

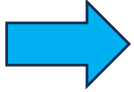


Pull up the green lock, then turn the UV head on the left (counterclockwise)

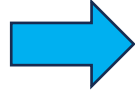
B. Taking out the quartz and the lamp



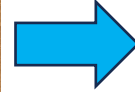
Here is the UVC head out of its housing.



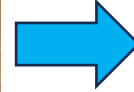
Unscrew the small screw blocking the black ring.



Unscrew the ring and take it out by sliding it to the top of the lamp.
Keep all parts in a safe place to avoid losing them !



Carefully remove the quartz from the UV block, pulling it upwards.
A silicone sleeve seals the block, so it may be a little difficult to remove. Take care not to break the glass!



Carefully remove the UV lamp by pulling it upward. Take out the black ring and the metal ring.

C. Reassemble the UV head

Proceed to the same steps as in page 4 (B. Taking out the quartz and the lamp), but backwards. Ensure that everything is watertight, and don't forget to put back the 2 rings (1xblack and 1xmetal) on your new lamp.



When tightening the black ring, make sure the notch for the screw fits over the hole!



Once correctly reassembled, insert the UV block into its housing. With the safety catch (round magnet) facing you, insert the block slightly turned to the left, with the green lock on the right.



Turn the block clockwise. At the point shown in the photo, you'll feel resistance as the notches make contact. Press firmly on the block so that its entire base is in contact with the housing, then continue turning to the right until you hear a click.



Push down the green lock. That's it ! The UVC head is back on.

D. Testing the UVC operation

- All our UV-C systems are equipped with an eye safety device: UVC radiation is very dangerous for the eyes, so if the UV is not in its housing, the lamp switches off automatically.
- An indicator light, visible from the outside, tells you whether the lamp is working :
- If you need to test the electrical operation of the ballast, this is s
- Precautions: if possible, use a lighting lamp with the same base and Watts as the UV lamp. This way, there's no danger to your eyes. Otherwise, equip yourself with the appropriate protection and make sure you don't look directly at the UV lamp.



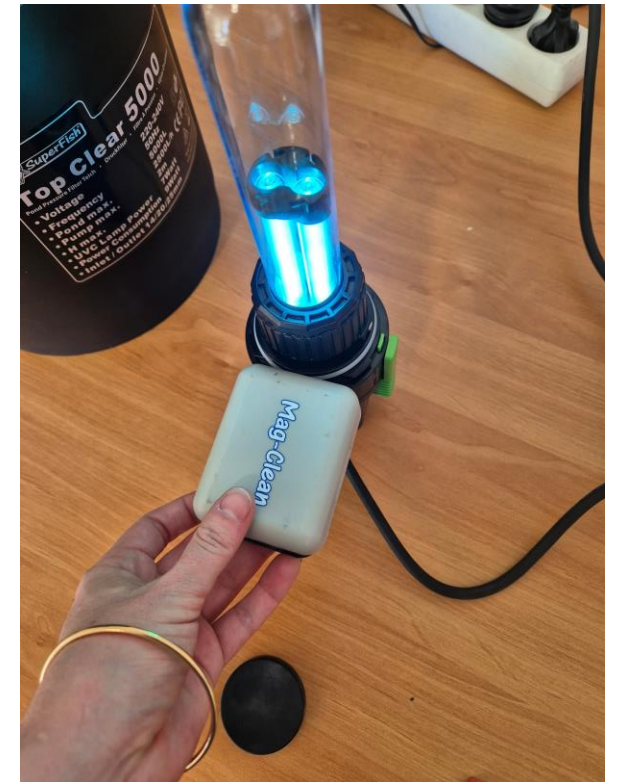
D. Testing the UVC operation

- Remove the UV unit from its housing
- Connect the plug to the mains: the lamp won't light up - it's the eye-safety.



Place a magnet (strong enough, in this case an aquarium cleaning magnet) on the flat side of the ballast: the lamp will then light up.

REMINDER: protect your eyes from UVC radiation! NEVER LOOK DIRECTLY AT A UV LAMP. DIRECTEMENT.



2. UVC with red lock (<02/2024)

A. Access to the UV ballast



Here is the filter top. Take out the grey cover by pulling it up.



We can now see the UVC head in the UV housing.

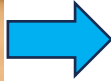


Pull up the red lock, then turn the UV head on the left (counterclockwise)

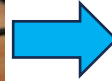
B. Taking out the quartz and the UV lamp



Unscrew the small screw that secures the clamping ring.



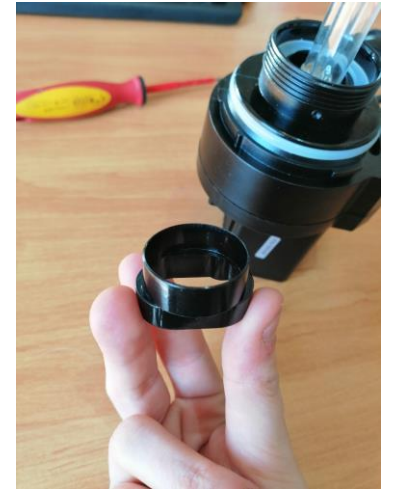
Unscrew the ring and slide it upwards.
Keep all parts in a safe place to avoid losing them!



Carefully remove the quartz by pulling it upwards.



Carefully remove the UV lamp by pulling it upwards. Remove the black rings at the top and base of the lamp.



Be sure to keep the 2 black rings: the one at the base of the lamp helps seal the electrical block!

C. Reassemble the UV head

Follow the same steps as on page 9 (B. Remove quartz and bulb), but backwards. Make sure the assembly is tightly sealed, and remember to replace the 2 black rings on the new bulb.



Tighten the black ring until you feel resistance, making sure the screw hole is accessible through one of the ring's notches.



Once correctly reassembled, insert the UV block into its housing. With the safety catch (plastic nipple) facing you, insert the block slightly turned to the left, with the red lock on the right.



Turn the block clockwise. At the point shown in the photo, you'll feel resistance as the notches make contact. Press firmly on the block so that its entire base is in contact with the housing, then continue turning to the right until you hear a click.



Push down the red lock. That's it ! The UVC head is back on.

D. Testing the UVC operation

- All our UV-C systems are equipped with an eye safety device: UVC radiation is very dangerous for the eyes, so if the UV is not in its housing, the lamp switches off automatically.

- An indicator light, visible from the outside, tells you whether the lamp is working :



- If you need to test the electrical operation of the ballast, this is still possible.
- Precautions: if possible, use a lighting lamp with the same base and Watts as the UV lamp. This way, there's no danger to your eyes. Otherwise, equip yourself with the appropriate protection and make sure you don't look directly at the UV lamp.

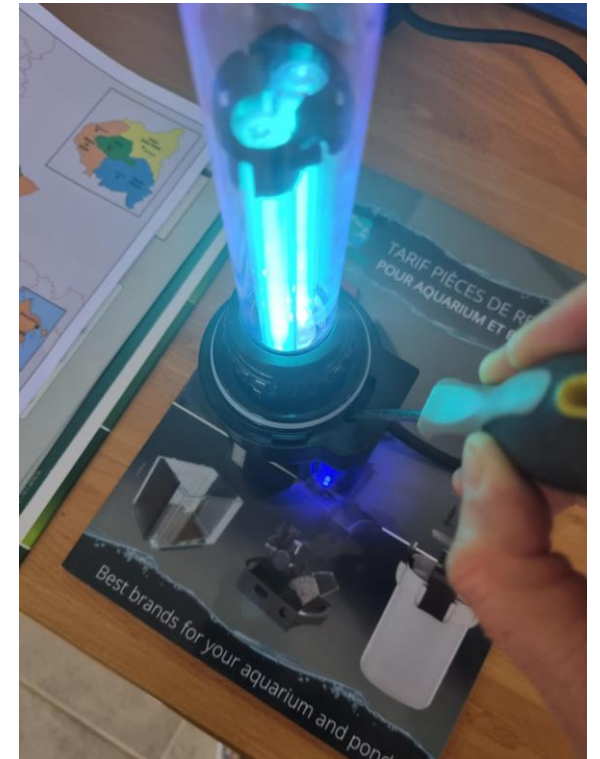
E. Testing the UVC operation

- Remove the UV unit from its housing
- Connect the plug to the mains: the lamp won't light up - it's the eye-safety.



Using a FLAT, NON-SLIP tool (to avoid damaging the membrane), press the membrane into the notch at the point indicated on the left: the lamp will light up.

REMINDER: protect your eyes from UVC radiation! NEVER LOOK DIRECTLY AT A UV LAMP.



SuperFish UVC Spare parts – Red & Green locks

REF.ART	EAN	MODEL	UV LAMP	QUARTZ KIT – RED LOCK	QUARTZ KIT – GREEN LOCK	BALLAST – RED LOCK	BALLAST – GREEN LOCK
06010130	8715897244322	SF POND CLEAR UVC 9W/7.500 LTR	06011015	06010350	06011305	06010137	06011250
06010135	8715897244339	SF POND CLEAR UVC 18W/15.000 LTR	06010140	06010355	06011310	06010139	06011255
06020130	8715897195334	SF TOP CLEAR 5000 UVC-7W	06011010	06010350	06011305	06020640	06020737
06020135	8715897195341	SF TOP CLEAR 10000 UVC-9W	06011015	06010350	06011305	06020645	06020739
06020140	8715897195358	SF TOP CLEAR 15000 UVC-11W	06011020	06010355	06011310	06020650	06020741
06020145	8715897204012	SF TOP CLEAR KIT 5000	06011010	06010350	06011305	06020640	06020737
06020150	8715897204029	SF TOP CLEAR KIT 10000	06011015	06010350	06011305	06020645	06020739
06020160	8715897287824	SF TOP CLEAR KIT 18000	06010140	06010355	06011310	06020715	06020743
06020200	8715897275562	SF POND CLEAR 3000 UVC-5W	06011005	06010345	06020293	06020243	06020291
06020232	8715897275593	SF POND CLEAR KIT 3000	06011005	06010345	06020293	06020243	06020291
06020235	8715897241499	SF POND CLEAR KIT 6000	06011010	06010350	06011305	06020245	06020293
06020240	8715897241505	SF POND CLEAR KIT 12000	06011023	06010355	06011310	06020250	06020295
06020750	8715897300011	SF COMBI CLEAR 2000	06011005	06020806	06020810	-	06020790
06020755	8715897300028	SF COMBI CLEAR 4000	06011013	06020806	06020810	-	06020795
06020757	8715897308246	SF COMBI CLEAR 6000	06011017	06020808	06020812	-	06020797
06030110	8715897338526	SF TOP CLEAR PRO 36.000 UVC-55W	06011040	06030135	06030135	-	06030145
06030200	8715897338571	SF POND CLEAR PRO 18000 UVC-18W	06011025	06030245	06030245	-	06030250
06030205	8715897338588	SF POND CLEAR PRO 36000 UVC-36W	06011035	06030260	06030260	-	06030265
A7031700	8715897319655	SUPERFISH AQUA CLEAR UV 9W	06011015	A7031740	A7031740	A7031720	A7031720
A7031705	8715897319662	SUPERFISH AQUA CLEAR UV 18W	06010140	A7031745	A7031745	A7031725	A7031725