



# AQUARIUM INTERNAL FILTER WITH UV

## 700IF+

700 LITRES PER HOUR

FULLY SUBMERSIBLE FILTRATION PUMP

LOW NOISE | HIGH OUTPUT

TANKS UP TO 150L

9w UV STERILISATION

INCLUDES VENTURI PIPE



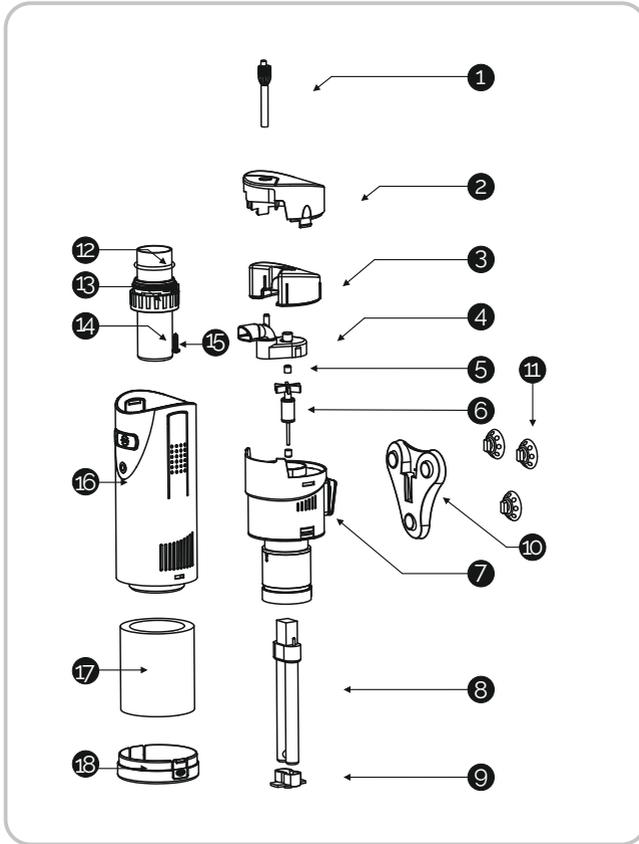
To ensure your new aquarium filter is set up and running correctly, and to prevent any accidental damage or injury, please read and follow the below instructions carefully before using your product.

## SAFETY

**IMPORTANT! Disconnect the mains electricity supply before attempting any installation / maintenance of any kind. Do not attempt to modify this unit in any way and only use the recommended parts for replacement.**

- The unit should never be run dry as this will cause it to overheat and cause permanent damage.
- All connections must be earthed.
- The power cord of this appliance cannot be replaced; if the cord is damaged, the appliance should be discarded. Never cut the cord.
- Do not connect to any voltage other than that stated.
- This filter is suitable for indoor household aquariums only (do not use in exterior locations, swimming pools, ponds, bathrooms etc). Do not place in liquids other than water.
- Do not use with water above 90F or 30C.
- Do not carry or pull the unit by its electrical cable.
- Do not use this unit if it has a damaged cord or plug, if it is malfunctioning or it is dropped or damaged in any manner
- Do not yank cord to pull plug from outlet. Grasp the plug and pull to disconnect. Always unplug an appliance from an outlet when not in use.
- Do not attempt to modify this unit in any way and only use the recommended parts for replacement.
- Before installing, maintaining or handling your equipment, or before placing your hands in your aquarium, ensure that the unit is disconnected from the electricity supply.
- Always unplug any electrical devices when not in use.

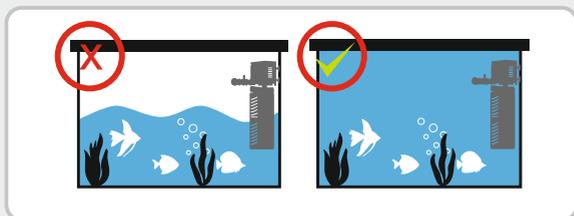
# PARTS DIAGRAM



1	AIR INLET VALVE
2	TOP COVER
3	BIO BALLS BASKET
4	IMPELLER CHAMBER
5	BEARING
6	IMPELLER
7	MOTOR
8	UV BULB
9	BULB PROTECTOR CAP

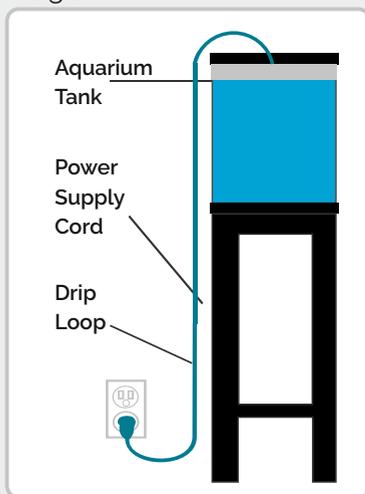
10	BASE
11	SUCTION CUPS
12	O-RING
13	SCREW NUT
14	QUARTZ TUBE
15	SCREW
16	FILTER BODY
17	SPONGE
18	BACK COVER

## WARNING! MUST BE SUBMERGED



- The power cable must have a drip loop to avoid any condensation build up reaching the mains (see diagram 1). If the plug does get wet, DO NOT unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in receptacle.
- Carefully examine your filter after installation. Do not plug the unit in to the mains if there is water on any parts not intended to be wet.
- If the unit shows any signs of water leakage, disconnect the power supply cord from the wall socket and consult All Pond Solutions or the retailer you purchased this unit from for further advice.
- If the plug does get wet, DON'T unplug the cord. First, disconnect the circuit breaker or fuse that supplies power to the appliance. Next, unplug and inspect for water presence in the receptacle.
- To avoid injury, do not touch hot or moving parts such as, but not limited to impellers.

Diagram 1



**Please note** – this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, provided they are given supervision and instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance. Any maintenance must not be made by children without supervision.

## ELECTRIC

This unit comes complete with a generous supply of 3 core cable, however should any additional cable be required, the use of an approved waterproof cable connector with a proper rating is essential. A cord rated for less amperes or watts than the appliance rating may overheat.

### Please Ensure:

- The power supply must be earthed and fused at 3amps.
- You regularly inspect the cable for damage and deterioration.
- Do not connect to any voltage other than that stated.
- You consult a qualified electrician if in doubt about any aspects of wiring.

## MAINTENANCE

To ensure optimal performance and that your unit functions correctly, regular maintenance is essential. Failure to do so may result in damage to your unit and may invalidate your warranty.

We recommend that a regular cleaning and maintenance schedule is followed to ensure responsible fishkeeping. Depending on water volume and stocking levels, regular cleaning of the filter media, foams, impeller, inlet/outlet pipework during a 10-25% water change will help ensure that the product works efficiently and the aquarium remains healthy.

For further maintenance guidance, please see the table and additional information below:

	<b>1 MONTH</b>	<b>3 MONTHS</b>	<b>6 MONTHS</b>	<b>ANNUALLY</b>
<b>Impeller</b>	Clean & Inspect			Replace
<b>Shaft</b>	Clean & Inspect			Replace
<b>O-Rings</b>	Clean & Inspect	Lubricate & Clean		Replace
<b>Filter Foam &amp; Other Media</b>	Clean & Inspect		Replace as required	
<b>UV Bulb</b>			Replace	
<b>Quartz Sleeve</b>	Clean & Inspect			

In general, it is recommended to disconnect your filter and clean the impeller and sponge monthly. The unit will become blocked with waste and protein slime over time, so regular cleaning is important for optimal performance.

The frequency of how often you will need to clean and inspect your unit of course will depend on a lot of factors like how dirty the water is when you first start using your filter, the volume of your water and also how many fish you have. How often you feed your fish and how long your lighting is on for will also affect how quickly your aquarium water gets dirty and will need to be taken into consideration when planning how often to clean your unit.

## UV OPERATION

- Always ensure that the filter has water flowing through the unit prior to operating the UV.
- Never look directly at the UV light when operational.
- Check that the UV is operational visually using the UV indicator.
- Never operate the UV lamp outside its housing.
- Never operate the UV lamp in a housing that's defective

## O-rings

It is vital that O-rings are regularly inspected and replaced as the rubber watertight seal will perish over time, which may cause leaks. Before replacing your o-rings, ensure they are well lubricated.

## Replacing the UV Bulb

**NEVER** look directly at the UV light.

When replacing your UV bulb, use this time to clean your quartz sleeve and carefully examine for any damage or cracks. Take care when handling the quartz sleeve and UV bulb to avoid any damage to the glass.

Unplug your filter at the mains and remove the plug from the socket.

Remove the IF+ from the aquarium.

Remove the Body by squeezing both pressure points on the side of the body and pulling the motor and body apart.

Unscrew the screw and twist the screw nut counter clockwise. Gently pull the



quartz sleeve to access the UV bulb (leave the O-ring located underneath the quartz glass in place).

Once cooled, UV bulb can be safely removed by gently moving it from side to side and pulling free of unit.

Remove the old UV bulb and replace with a new UV bulb

Replace the quartz glass ensuring the o-ring at the quartz base is present.



Reattach the screw nut and screw, replace the 700IF+ body.

**IMPORTANT!** Check regularly that your UV light is operational by looking at the UV light indicator located on the front of the 700IF+. This will light up blue if the UV light is working.

Always change your UV bulb every six months regardless of it working or not, as its performance will lessen by this stage.

## Impeller

**Please note:** A clogged impeller is often the primary cause of all filter faults, so it is extremely important to clean and inspect your impeller every month to ensure it is functioning correctly and remove any debris. Keeping the impeller clean will improve the performance of your filter and lengthen the life of the motor. The impeller itself is a perishable part and will be subject to wear and tear overtime. As a result, it is also very important to replace your impeller and ceramic shaft annually.

Remove the top cover from the unit by squeezing both pressure points on the side of the it and pulling the cover and body apart. The impeller can be accessed by removing the adjustable outlet.

The impeller can then be gently pulled away from the housing and inspected.



Ensure that the plastic propeller part of the impeller is attached to the magnetic part and that they have not come apart or split. If this is the case you need to replace your impeller. Wash parts with fresh water carefully.

## Filter Foam & Media

Filter foam can be used repeatedly and can simply be washed in aquarium water between uses to remove a build-up of dirt, sludge and grime.

However, If your filter sponge is tearing or beginning to wear, consider replacing it.



The 700IF+ foam can be accessed by removing the base of the body.

To access the filter media remove the top cover from the unit by squeezing both pressure points on the side of the it and pulling the cover and body apart.

**IMPORTANT!** Never use tap water, or soap or detergents, when cleaning your unit or rinsing media. Make sure no debris is trapped inside.

## Set Up

Should you need to disassemble your unit for maintenance or repair purposes, please follow the steps below:

Unplug the power cord from the mains. Move your unit to a flat stable surface near a sink or other drain. (Be sure to hold upright to avoid spillages.)

Remove all parts from the box to check all parts are present.

Before Installation check that the UV bulb inside the IF+ is installed correctly.

Remove the body by squeezing both pressure points on the side of the body and pulling the motor and body apart. Visually check that the UV bulb is inserted still and has not been knocked out of its connection point.



Attach the Suction Cups to the Base Plate. Make sure you twist them by 90 degrees (as per photo below) or they will keep falling out. attach the base plate to the back of the IF+.



Attach the Venturi Outlet to the top of the unit and place the IF+ inside your fish tank with the suction cups against the glass in your preferred location. Make sure the venturi outlet is positioned above the water level.

**IMPORTANT!** Ensure this location allows the IF+ to be fully submerged at all times

Turn the UV on by sliding the front On / Off switch to the left.



Plug the IF+ into the mains ensuring that you leave a drip loop in the cable to avoid condensation running down the power cable towards your mains power socket.

## TROUBLESHOOTING

### No Filter Operation / Slow Flow Rate

1. Always ensure the power has been turned on.
2. Follow the maintenance section. Ensure the water outlet is not blocked.
3. Locate the impeller and shaft and inspect for damage and clear the fittings and parts of any waste build-up.
4. Check that your impeller and shaft are seated correctly.
5. Ensure the impeller is free of any type of blockage and can rotate freely inside the motor head.

### Noisy Operation

1. Locate the impeller and shaft and inspect for damage and clear the fittings and parts of any waste build-up.
2. Check that your impeller and shaft are seated correctly.
3. Ensure the impeller is free of any type of blockage and can rotate freely inside the motor head.

### The Light on My 700IF+ Isn't Working

If the UV indicator at the front of the filter is not lighting up follow these troubleshooting steps:

1. Clean the UV indicator.
2. Check that you have power from the mains supply.
3. Please check for signs of damage or water ingress to quartz sleeve and bulb area. You might need to replace your quartz sleeve and/or O-Rings if that's the case. Ensure that all O-rings are in place and well lubricated.
5. If the above does not solve the issue replace the UV bulb.
6. If you find that the UV light is still not operational after the bulb replacement, the UV ballast may have developed a fault and you will need to contact the supplier of your unit to obtain replacement parts.



**Please remember** that UV bulb should be replaced every 6 months.

# COMMON AQUARIUM QUESTIONS

## Why Is My Aquarium Water Cloudy?

### Causes:

- **Bacterial blossom** - As the new aquarium goes through the initial break-in cycle, the water can become cloudy or at least a little hazy. It might take several weeks to establish beneficial bacterial colonies that are able to clear waste from the water. Over time, that cloudiness will resolve itself. Decaying plants or excess food that remains uneaten can also cause the cloudy water seen in bacterial bloom. Keep the aquarium clean by removing any decaying plants and uneaten food, vacuuming the gravel regularly, and performing partial water changes.
- **Gravel residue** - If the water is cloudy immediately or within an hour or two of filling the tank, it's probably due to insufficiently washed gravel. Drain the tank and rinse the gravel until the water runs clear. That should resolve the problem.
- **Dissolved constituents** - if washing the gravel doesn't solve the problem, the next most likely cause of cloudy water in a newly filled tank is a high level of dissolved constituents, such as phosphates, silicates, or heavy metals. If you test the water, you'll likely find that the pH is high (alkaline). In these cases, treating the water with conditioners will often resolve the problem.

### Other things to try:

- Reduce feeding. Overfeeding introduces a lot of organic waste and is one of the main causes for cloudy water problems.
- Do not perform large water changes as they can severely affect the balance of the aquarium leading to a further deterioration of the water quality.
- A severely overstocked aquarium will result in excess waste so consider your fish population. We recommend to not exceed 1 inch of fish per 3.7 litres of aquarium water.

## Why Is My Aquarium Water Green?

- **Too much light** - Reduce the amount of time the lights are on, and move the aquarium to a location out of direct sunlight. This will reduce the photosynthesis that allows the algae to grow.
- **Phosphates** - phosphates result from decaying matter (e.g. fish food) and from the water source. If your water naturally has a high level of phosphate, you will need to use a phosphate remover to treat it after water changes.

You may also consider reducing the amount of food you give your fish.

- **Nitrates** - As the amount of fish waste rises so do the nitrates. Make sure to perform regular water changes, check your filter is clean and adequate for your aquarium size and do not overstock it.

## The Water In My Aquarium Is Dirty

### Causes:

- The beneficial bacteria have not yet established in your new filter.
- Your filter is not the correct size for your aquarium set up.
- You have too many fish for your size filter.
- Your filter media may be dirty.

### Solutions:

- Your fish tank can take up to 3 weeks to successfully cycle. You may also want to add a bacteria start treatment to your tank to speed up this process.
- You may need to upgrade to a larger filter.
- For reference, you should allow 1 gallon of water per 1 inch of fish in your aquarium.
- Follow the instructions in the maintenance section.
- If you have not yet done so, you may also need to carry out more regular water changes in your tank.

## No Water Is Coming Out Of My Filter

### Causes:

- The impeller is blocked - please refer to the impeller maintenance section.
- The filter is not switched on.
- The inlet sides are clogged.

### Solutions:

- Check your filter is plugged into the mains and is switched on.
- Remove the filter from your tank and clean the filter's body.

## SPECIFICATIONS

<b>UV POWER</b>	<b>9W</b>
<b>POWER</b>	<b>20W</b>
<b>MAX OUTPUT</b>	<b>700L/H</b>
<b>MAX TANK VOLUME</b>	<b>150L</b>
<b>DIMENSIONS (LxWxH) mm</b>	<b>76X90X290</b>

## WARRANTY

The All Pond Solutions 700IF+ is guaranteed against defects in material or workmanship under normal aquarium usage and comes with 12 months warranty for all electrical parts. The warranty period commences from the date of purchase.

If you require support on how to use your unit, replacement parts or if your filtration develops a fault during the warranty period, please contact the supplier of your unit.

Non-replaceable, non-perishable and non-serviceable parts will be repaired or replaced free of charge, once the unit is returned with all components along with a valid proof of purchase and postage paid. We reserve the right to replace or repair the unit at our discretion.

Please be aware that perishable parts that are subject to normal wear and tear, such as impellers, impeller covers and motor seals are not covered by your warranty and a charge may be required for replacements of these.

This warranty does not apply to any unit that has been subjected to misuse, accidental damage, negligence, tampering or customisation. It does not apply to units which have been assembled incorrectly, improperly maintained, or where the instructions and safety information in this manual has not been followed correctly.

No liability is assumed with respect to loss or damage to livestock or personal property irrespective of the cause thereof.

Please ensure that only genuine All Pond Solutions components are used when completing a replacement or repair. Spare parts are available at our official website or from your local supplier.

Before returning your unit under warranty terms, check that all setup and maintenance instructions have been correctly followed. If you are in doubt, please contact your local aquatic retailer for further advice before returning the product.

**This does not affect your statutory rights.**





[www.allpondsolutions.co.uk](http://www.allpondsolutions.co.uk)

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