

Nautilus



Aqua One®

Inspiring Excellence in Fish Keeping!

2700



Instruction version: 28/10/2010

www.aquaone.com.au

Important Safeguards

To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow all safety instructions and important notices in these instructions as well as on the product itself.

2. This appliance is not intended for use by children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

3. To avoid possible electric shocks, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations do not attempt repairs yourself. Return the appliance to an authorised service facility for service or discard the appliance.

a. If the appliance or any electrical component of the appliance (non-immersible equipment only) falls into the water or gets wet, do not reach for it. Unplug it and then retrieve it.

b. If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source.

c. Carefully examine the appliance after installation. It should not be plugged in if there is water on parts which are not intended to be wet.

d. Do not operate the appliance if it has a damaged cord or plug, or if it is malfunctioning, or dropped or damaged in any manner.

4. A "drip loop" (see graphic) should be arranged for each cable connecting an aquarium to a power supply. The drip loop is the part of the cable below the level of the power supply. It prevents water travelling down the cable and coming into contact with the power supply. If the plug or the socket does get wet, do not unplug the appliance. Disconnect the fuse or circuit breaker that supplies the power to the appliance, then unplug and examine for presence of water in the socket.

5. Always unplug the appliance from the electrical outlet when not in use, before putting on or taking off parts, before any type of maintenance or cleaning.

6. Never yank the cable to pull it from the socket. Pull the plug carefully to disconnect.

7. Do not use the appliance for reasons other than the intended use. The use of attachments that are not recommended or sold by the manufacturer may cause the product to be unsafe. This is not recommended.

8. Do not install or store the appliance where it will be exposed to weather or temperatures below freezing.

9. Make sure any component mounted on a tank is securely installed before operating it.

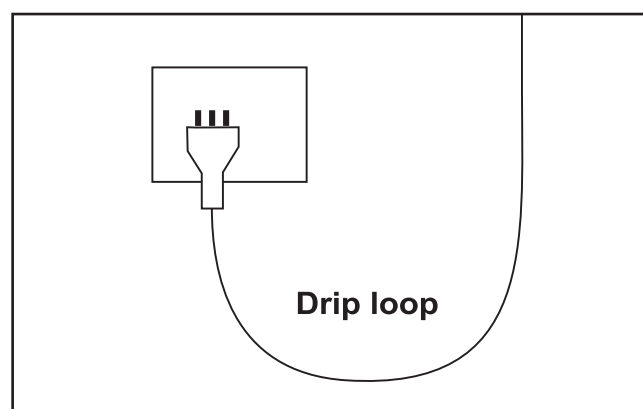
10. Ensure input voltage is the same voltage as your local power supply.

11. If an extension cable is used it should have the proper rating. Care should be taken to arrange the cord so that it will not be tripped or pulled.

12. A G.F.C.I (Ground fault circuit interrupter) & surge protector is recommended for all electrical appliances.

13. Ensure your hands are dry when turning the power switch on/off and when inserting/removing the power cable from the socket.

14. If you are in any doubt about the electrical installation or safety of this product you must consult a qualified electrician.



For Guarantee Conditions, please refer to the Guarantee form that is enclosed with this product.

All products are supplied with fitted plugs. This plug should not be tampered with in any way or removed. Removal or tampering with the plug invalidates our guarantee offered with this product.

For UK a 3 pin adaptor is supplied with the product and this must be used.

Before First Use / Preparation

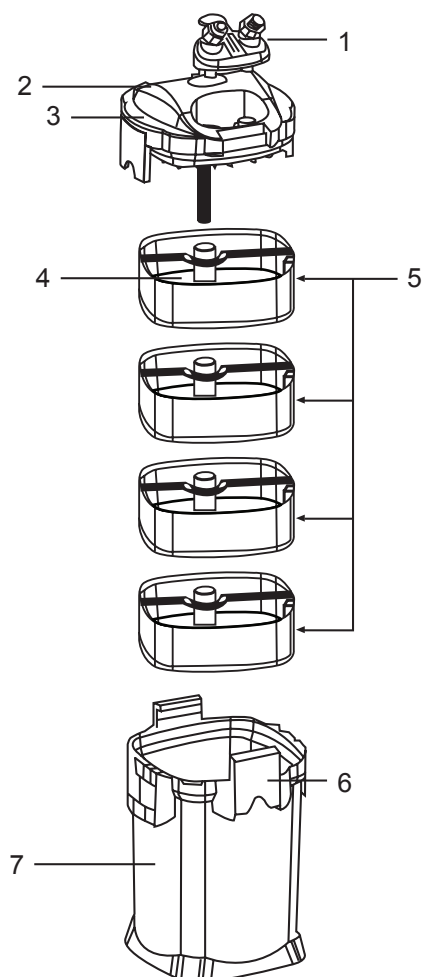
Read and follow all the instructions, even if you feel you are familiar with the product and find a place to keep the instructions handy for future reference. Your attention is drawn particularly to the sections concerning **"IMPORTANT SAFEGUARDS"** and the **"GUARANTEE CONDITIONS"**. Please ensure you retain your original purchase receipt in the event that guarantee service is required.

Carefully unpack the filter making sure you keep all the packing material until all the parts of the product have been found and the product has been assembled.

This product is shipped to you in a factory sealed carton. Should the product malfunction in any way or if the unit is damaged and requires replacement, contact the retailer where the product was purchased for inspection.

Know Your Filter

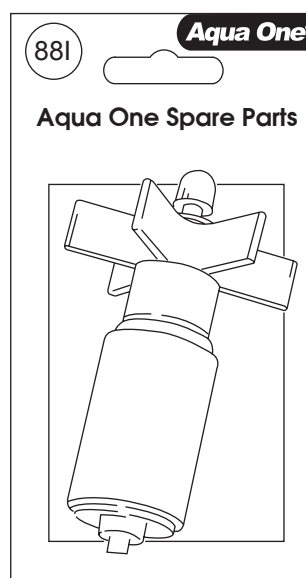
Canister Filter 2700



Replacement Parts & Filter Media

Use Aqua One Genuine Spare Parts Only. See your local Aqua One Dealer and look for the number listed below for the spare part you require. Alternatively you will find these numbers on the silver label located on the product.

2700 Impeller	88I
2700 Wool Pad	41W
2700 15ppi Sponge	41S
2700 35ppi Sponge	42S

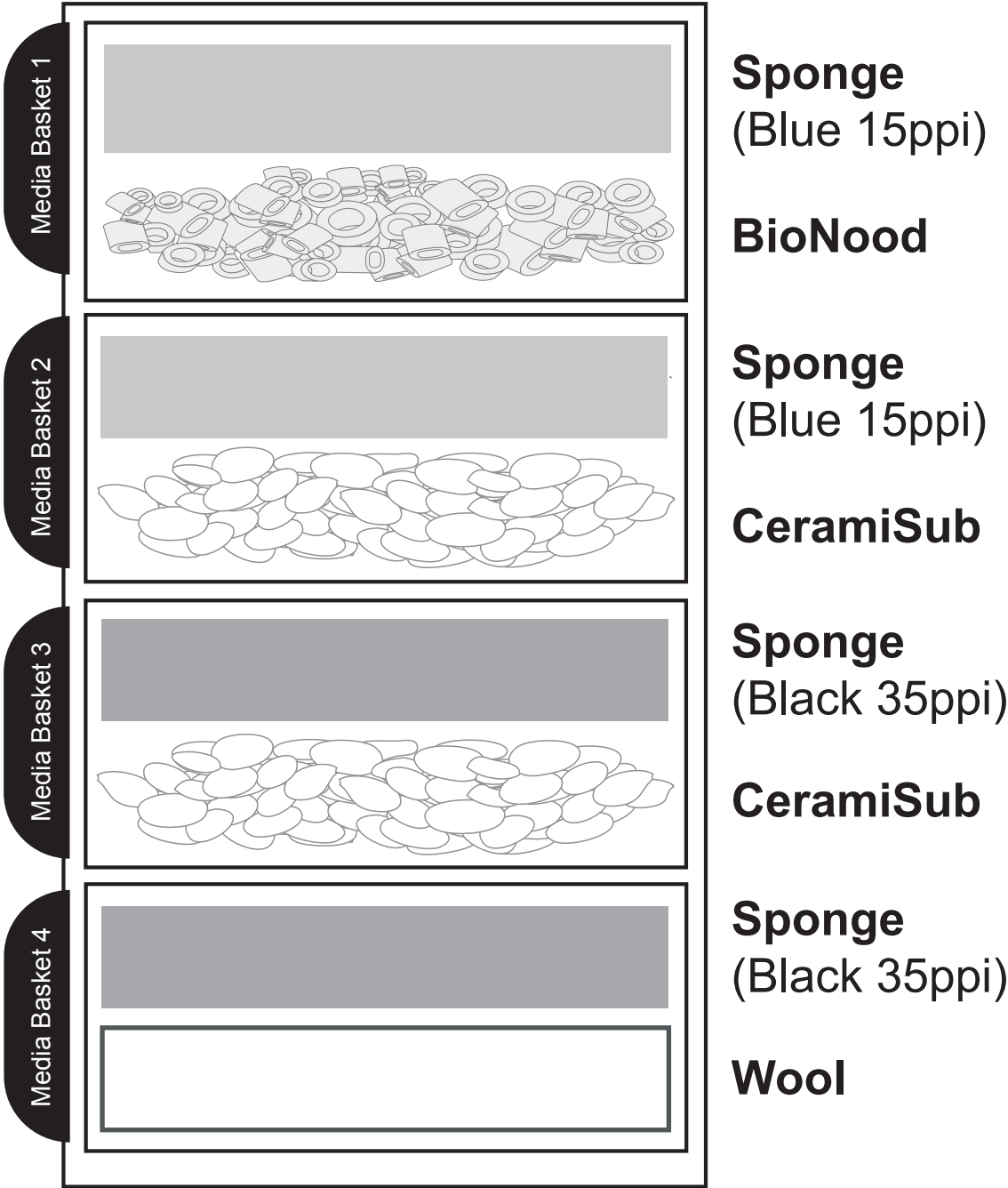


Set up/Parts

1. Integrated Tap Connector
2. Primer
3. Pump Head
4. Filter Media
5. Media Baskets
6. Clips
7. Canister Body

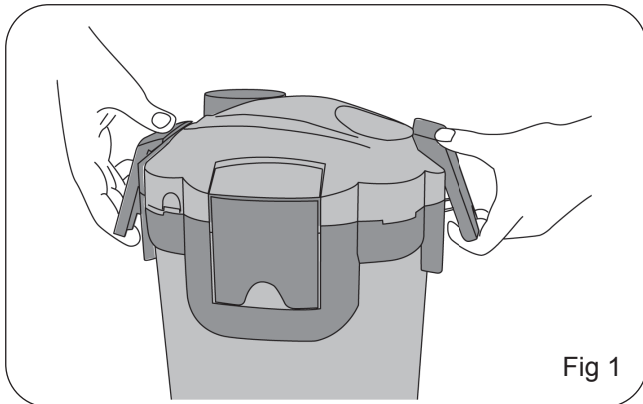
Recommended Filter Media Set Up

Nautilus 2700

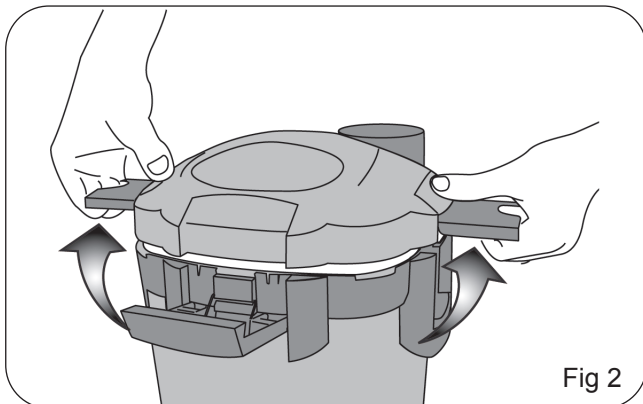


Set Up Instructions

1. Open the filter unit. To do this release the 2 clips located on either side of the filter. Fig 1



2. Lift the head unit off the canister body. To do so lift the other 2 handles, this will release the seal and allow you to remove the head unit. Place it somewhere safe where it will not be stepped on or broken. Fig 2



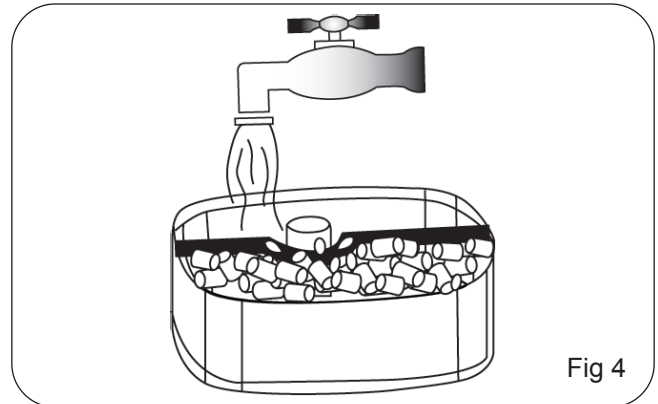
3. Take the canister body to the sink. Ensure the area is clean and free from detergents.

4. Remove the filter media baskets from the canister. Fig 3

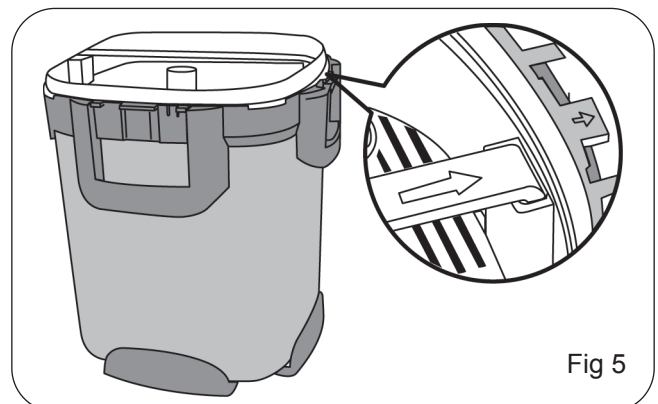


5. Follow the filter media setup instructions on the previous page. Remember to remove all media from the plastic bags and rinse in tap water to remove excess dust. The simplest way to do this is empty the correct media into its basket and run tap water

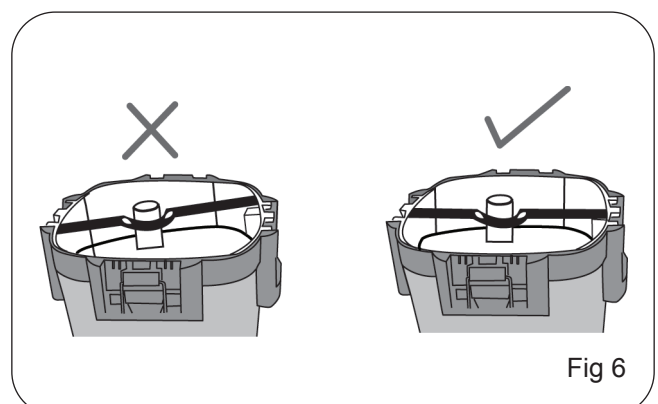
through it. Rinse the inside of the canister body in tap water also, remember **DO NOT USE ANY SOAPS OR DETERGENTS**. Fig 4



6. Once all the filter media and the canister have been washed and the sponges have been inserted into the filter baskets place the filter media baskets in the correct order (Refer to previous page) back into the canister body. Ensure the arrows on the filter media baskets and the canister body all line up. Fig 5

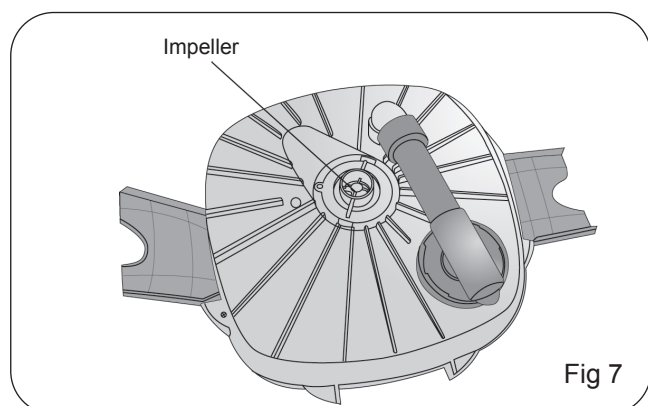


7. Ensure the filter media baskets are sitting flat on top of each other. Fig 6



Set Up Instructions

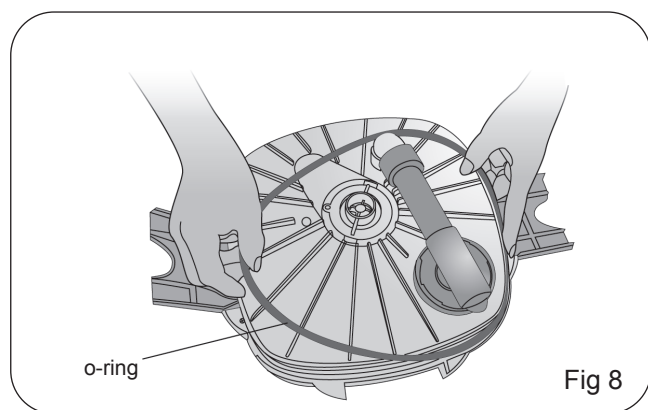
8. Prior to installing the head unit, turn it over, remove the impeller cover extension pipe so you can see the impeller. Make certain that the power cord is not wet and plug it into the receptacle. Turn it on and ensure the impeller is spinning. You should be able to hear the impeller spinning. If the impeller does not turn see "Cleaning Your Filter" for instructions on how to assess the impeller. Fig 7



10. NOTE: The O-ring needs to be put into position before the unit is set up. Lubricate it with an aquarium safe lubricant.

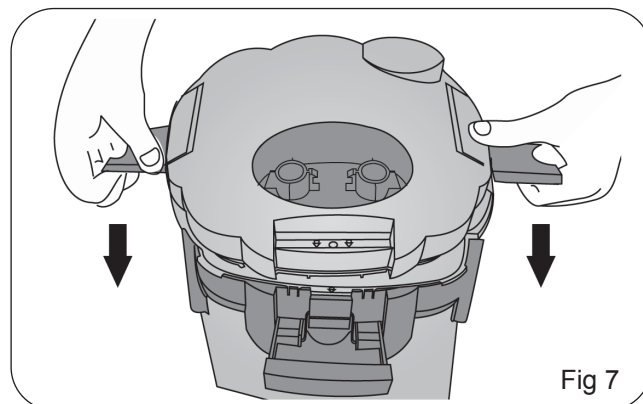
This lubrication allows the head unit to go on easily, ensures a good water tight seal and makes removing the head unit easier when maintenance is required. IT IS VERY IMPORTANT THAT ANY TIME THE FILTER IS DISASSEMBLED THE O-RING IS LUBRICATED USING AN AQUARIUM SAFE LUBRICANT. Fig 8

Place the Impeller cover extension pipe back into position before placing the head back on the canister.

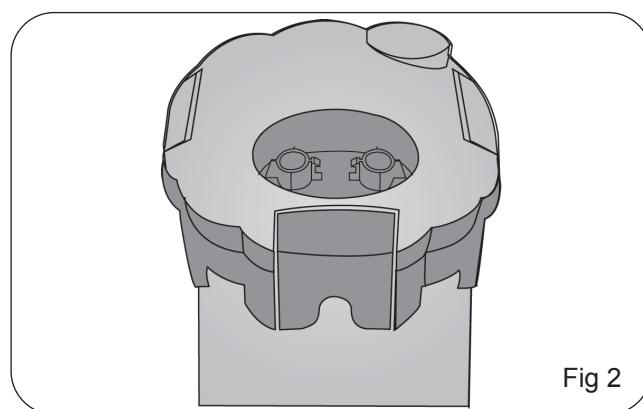


11. Place the head unit back on top of the canister body; ensure the power cord is not jammed between filter head and the canister body. Press down gently to the point where the head will not go any further.

12. Close the 2 handles. Do not force the unit together! If it feels tight do not apply any excess pressure to close it simply, remove the head unit and filter baskets and try again. Fig 9



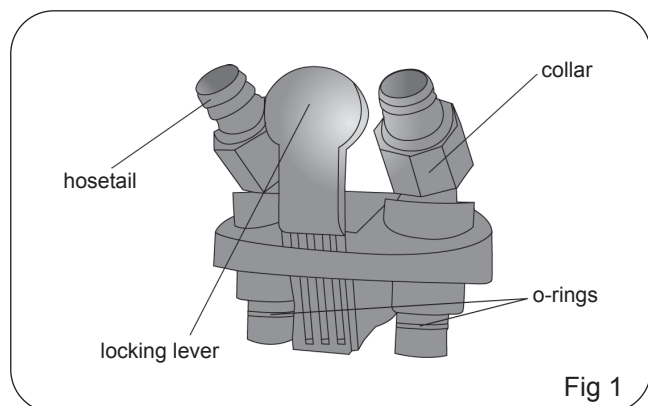
13. Latch and secure the clips. The filter unit is now ready to be installed. Fig 10



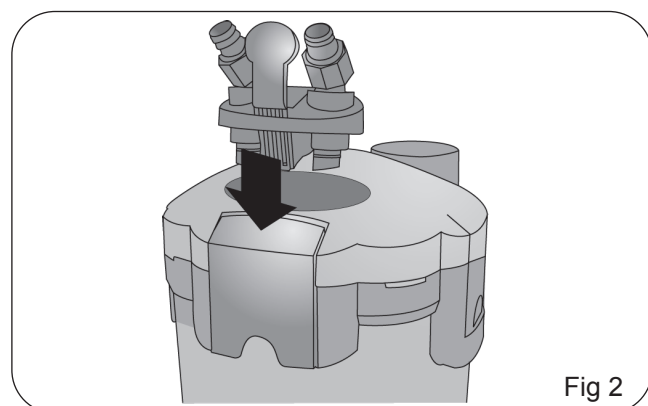
Installation

1. Remove all remaining components from the plastic bags.

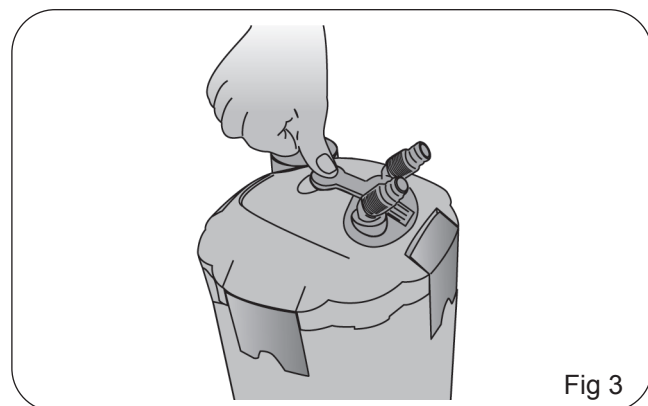
2. Locate your quick release tap connections. Ensure the collars on the hose tails are all the way in, the locking lever is in the up right position and that the O-rings are lubricated. Fig 1



3. Insert the quick release tap connector into the top of your filter unit. Fig 2

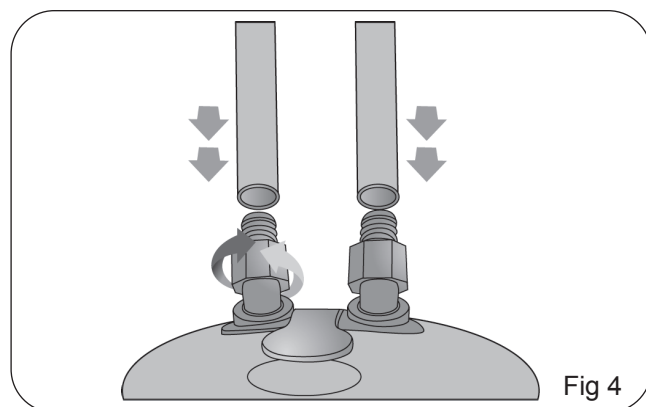


4. Now push the locking lever down. Ensure the tap connector is inserted correctly. Fig 3

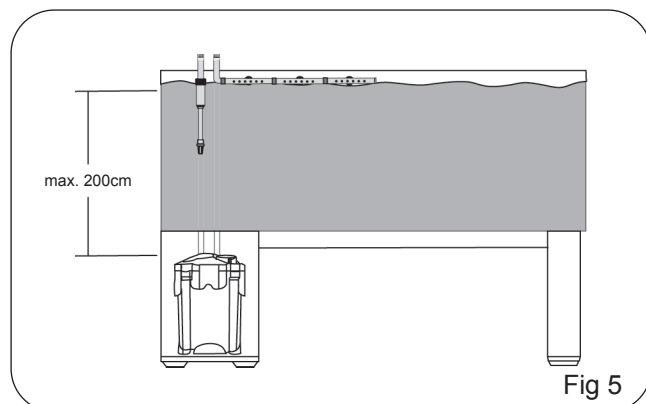


5. Locate your 2 pieces of 32mm hose.

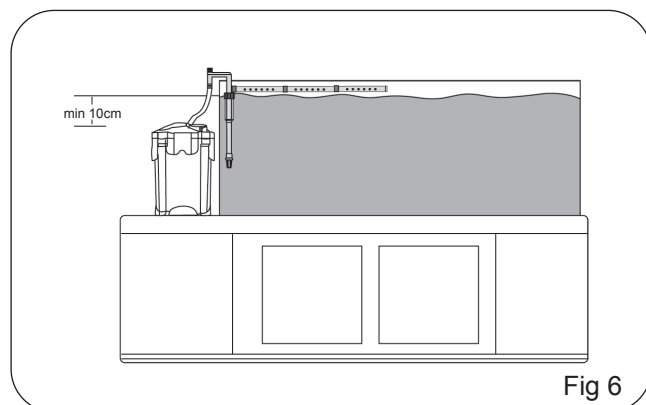
6. Attach one to either hose tail on the quick release tap connector. Push the hose on as far as possible. Screw the collars antic lock wise to lock the hoses into position. It is very important that this is done correctly. Fig 4



7. Insert the canister in the desired location. Maximum height from the top of the canister to the water level of the aquarium is 200cm. Fig 5

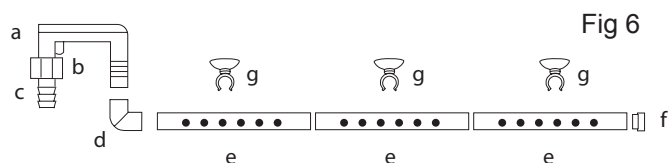


8. And the minimum height is 10cm. Fig 6



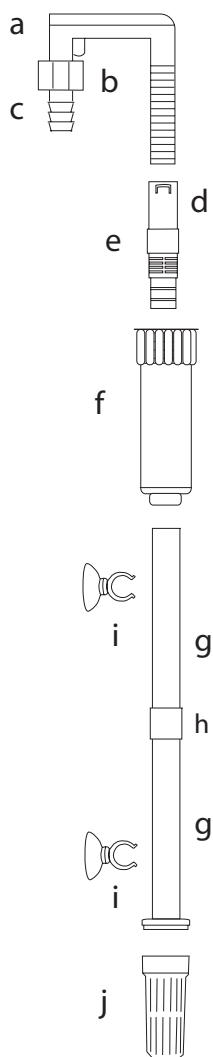
9. It is now time to assemble the inlet and the outlet. You will find the required components in the remaining plastic bags.

Installation



1. U Pipe (a)
2. Lock Nut (b)
3. Hose Tail (c)
4. Elbow (d)
5. Spray Bar (e)
6. End Cap (f)
7. Suction Cup (g)

10. You will find that the U Pipe (a), Locking Nut (b) and Hose Tail (c) come as one piece from the factory. Attach the Elbow (d) on to the shorter side of the U Pipe. Connect the Spray Bars (e) to each other and connect the first Spray Bar to the Elbow. (g) Press together firmly. Insert the End Cap (f) into the last Spray Bar. Attach Suction Cups (g) to the Spray Bar. (e)



1. U Pipe (a)
3. Lock Nut (b)
4. Hose Tail (c)
5. Surface Skimmer Adjuster (d)
6. Sleeve (e)
7. Surface Skimmer (f)
8. Intake Pipe (g)
9. Pipe connector (h)
10. Suction Cup (i)
11. Strainer (j)

Fig 7

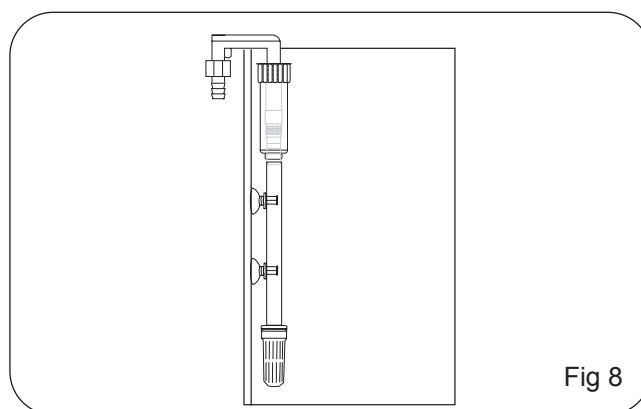


Fig 8

13. Pull the hose from the inlet side of the filter up next to the Hose Tail and line up.

14. Measure a good 10cm more that what you need past the bottom of the Hose Tail.

15. Cut the hose using a sharp blade, try to cut it straight and be careful not to cut yourself.

16. Force the hose on the Hose Tail. You should be able to get it on to but up to the bottom of the Lock Nut. Fig 9

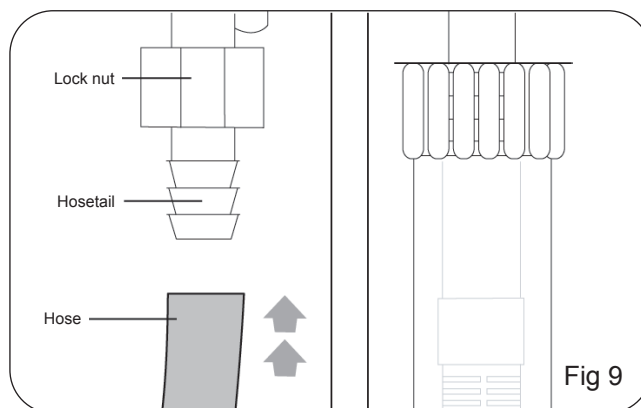
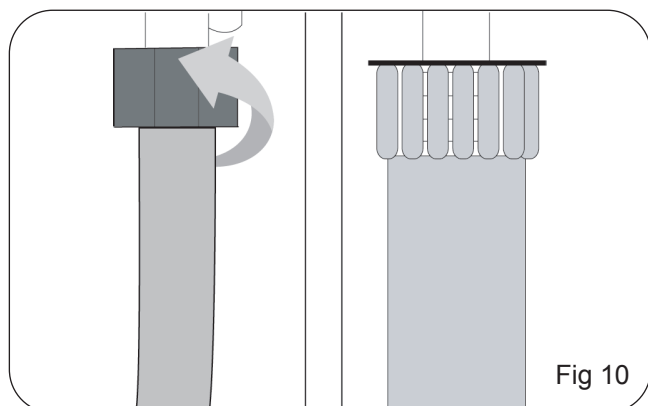


Fig 9

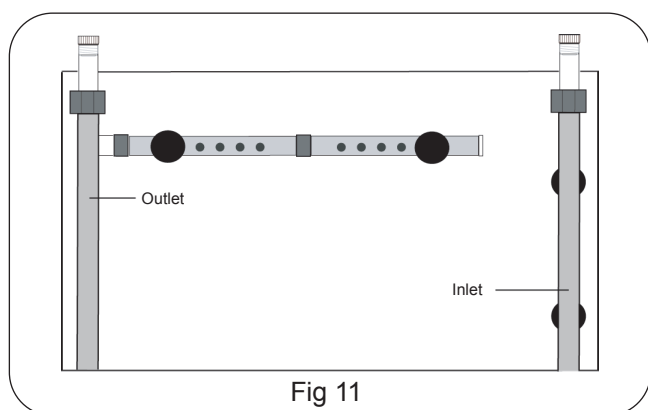
Installation

17. Turn the Lock Nut anti-clock wise to lock the hose into position. Hand tight will do, No tools are required. Fig 10



18. Repeat steps 14 to 17 for the outlet.

19. Place the Suction caps on the Spray Bar then attach it to the back or side of the aquarium. Fig 11



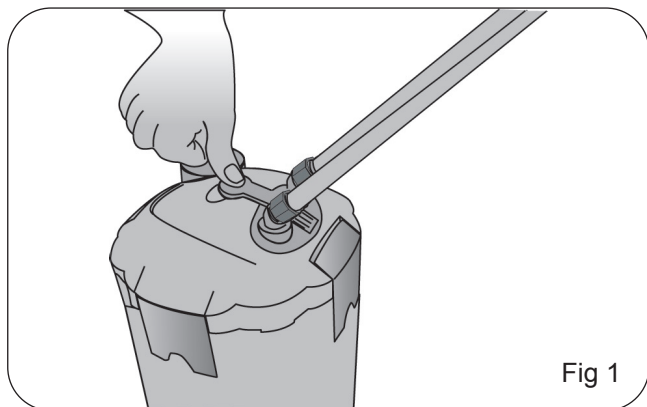
20. You are now ready to start your filter.

Starting your filter

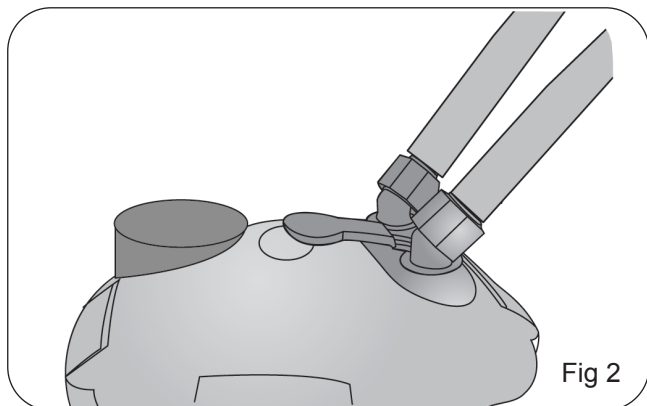
NOTE: Your aquarium must be filled with water to prime your filter.

Ensure your quick release tap connector is sitting correctly. Open the taps by pressing the Locing Lever down. Fig 1

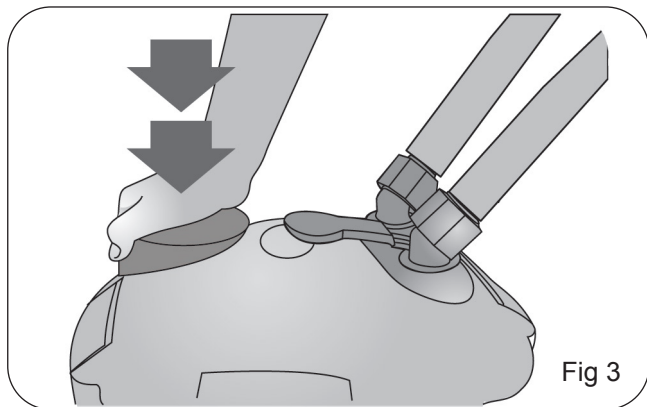
NOTE: Once the filter is running, double check the fittings and seals for water tightness.



1. The Primer for your canister filter is located at the top of the head unit. Fig 2



2. Press the primer down with your your palm. Fig 3

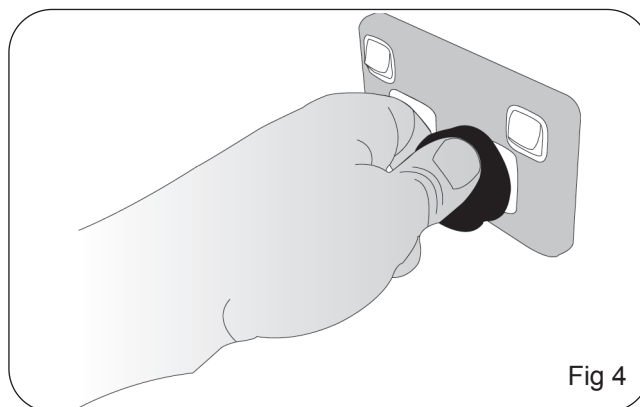


3. Depress all the way then release. Continue to pump the primer until the water flows down the inlet tube and begins to fill the canister.

4. Stop pumping and allow the canister to fill with water.

5. The filter is primed when the intake pipe and canister are completely filled and the water starts to travel up the outlet tube.

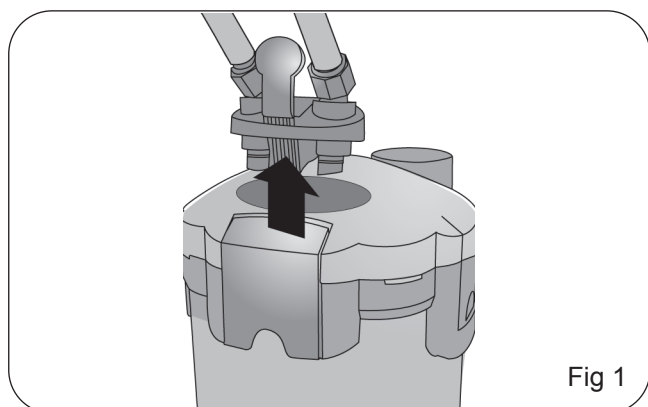
6. Wait until the canister is completely full of water. You will know this when water starts to rise up through the outlet hose. Ensure there are no leaks or water on parts of the filter which are not intended to be wet. Plug the unit into the power supply and switch on.



NOTE: If you require any further information about starting your filter please consult your Aqua One retailer.

Cleaning your filter

1. Turn the canister filter off at the socket and unplug.
2. Place a towel or a shallow container under the canister unit. This will prevent any water spilling onto your cabinet or stand and damaging it.
3. Lift the Locking Lever to turn the taps off. Remove the quick release tap connector. Fig 1



4. Fill a bucket with water from your aquarium and take it to the sink or wherever you intend to clean your filter. Keep in mind cleaning your filter can be messy, cleaning is recommended outside or at a sink. Ensure the area is clean and free from soaps and detergents.

5. Open the canister. Follow directions at the beginning of this manual under the section Set Up Instructions, points 2 to 5. If you are having trouble removing the canister head refer to page 15 in the trouble shooting guide under section removing the head.

6. Extend the handles on the media baskets and remove them from the canister body.

7. Remove the filter sponges and the white wool from the media baskets and dunk the baskets with the BioNood and CeramiSub (Or any other type of biological media which may be in them) several times into the bucket. This will clear some of the dirt that can build up and clog the media and prevent the good bacteria which aid in breaking down pollutants in your aquarium from being killed by the chlorine in tap water.

8. Either replace or rinse the white wool pad using a high pressure hose. It should be replaced regularly or when it begins to deteriorate and can no longer be cleaned properly.

9. The sponges can also be rinsed in the bucket of aquarium water (Providing the water is not dirty. Replace if necessary) they will also require replacement eventually as over time they clog and prevent water from traveling through them easily.

10. Empty the bucket of aquarium water into the canister body. (Avoid tipping any dirt which may have settled on the bottom of the bucket into the canister)

11. Place the sponges back into there respective positions and reinsert the media baskets back into the canister body ensuring that each media basket sits nicely on top of the other.

Please refer to the diagram on the next page for the following steps.

12. The impeller should also be cleaned when ever the filter is disassembled.

13. Turn the head unit over and remove the grommet. Use a small flat headed screw driver.

14. Turn the impeller cover anti clock wise and remove it. This will uncover the impeller.

15. Remove the impeller from the impeller chamber.

16. If possible remove the shaft also.

17. Turn the threaded elbow anti clockwise until the end of it has come out of the priming valve.

18. Clean the impeller, impeller chamber and the outlet channel using an Aqua One double ended pipe brush.

19. Use the pipe brush and clean the inlet tube which runs through the base of the head unit to the top where the quick release taps connector sits.

20. Run water through the hole in the middle of the impeller. Clean any debris which may have built up on the shaft off, along with any slime build up on the impeller. Use an aquarium safe lubricant to lubricate the shaft.

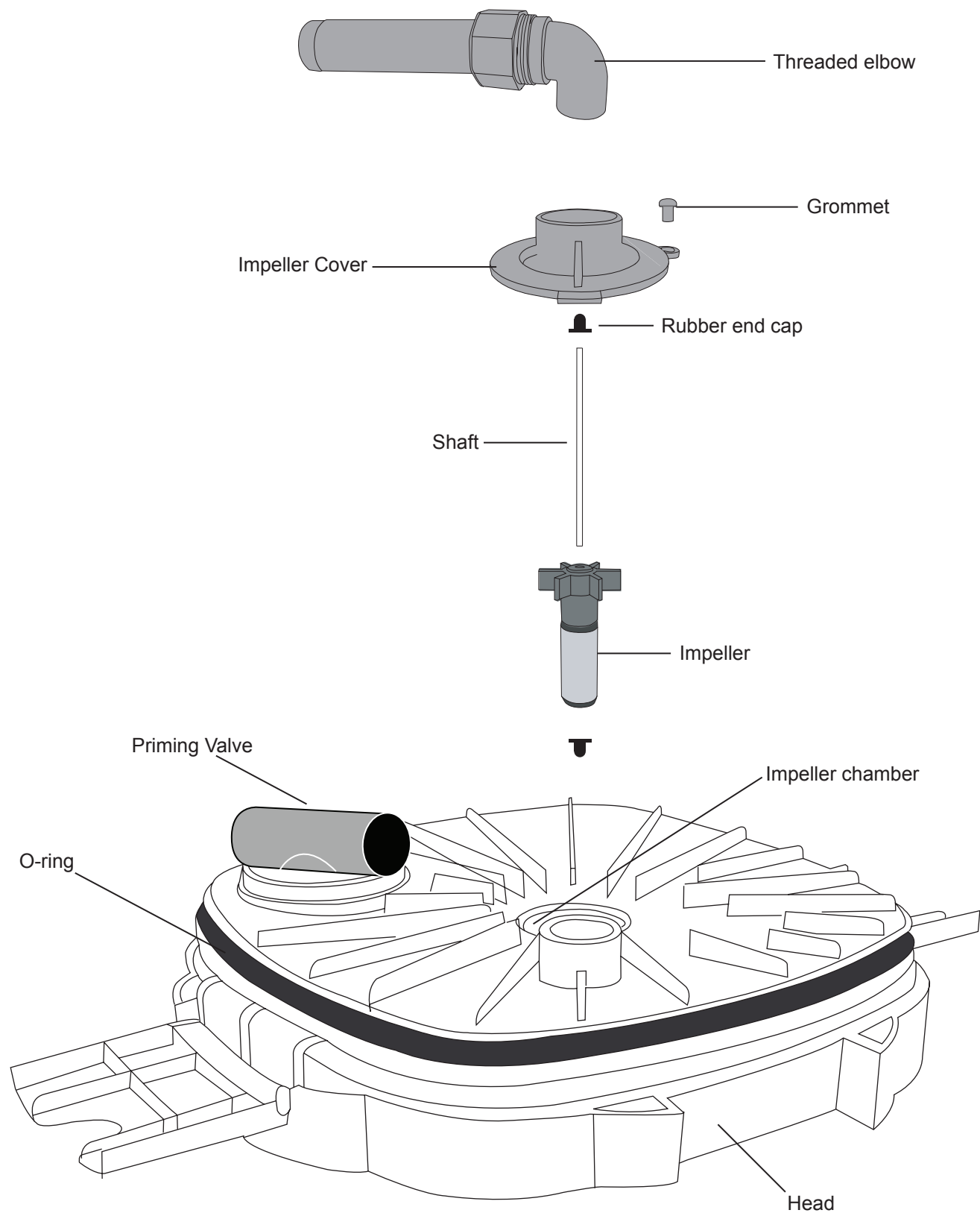
21. Put the impeller back together and ensure that it rotates freely on the shaft. Then reassemble the head unit, ensure there is no water on the power cord, plug the head unit in and turn on. Make certain the impeller is spinning. Apply an aquarium safe silicon based lubricant to the O-ring on the head unit. This will provide a better water seal and make the removal of the head easier next time the filter has to be disassembled for maintenance.

22. Check your inlet, outlet U Pipes and hoses. If residue has built up on the inside of them remove them from the aquarium. Take to the sink, run hot water through them to loosen the slime. Run an Aqua One double ended pipe brush through them, and flush again with hot water. This build up will reduce the flow rate of your filter considerably, so clean when ever it is possible.

23. Return the canister filter to your cabinet or stand and reattach quick release tap connector.

24. Refer to the section in this instruction manual "Starting Your Filter" for details on restarting the unit.

Cleaning your filter



Trouble Shooting

THE FILTER UNIT IS LEAKING

1. Check all O-rings are in place and that they are not damaged or soiled.
2. Re-apply Silicon based aquarium safe lubricant.
3. The media baskets may not aligned properly.
4. Ensure the quick release tap connector is inserted correctly and locked into position.

THE FILTER WILL NOT PRIME

1. Check tubing for kinks.
2. Make sure the Quick release tap connector is inserted correctly.
3. The aquarium needs to be filled with water.
4. Make sure the intake U pipe and/or intake strainer is not blocked.
5. Ensure the hoses are connected to the unit correctly. IN to IN and OUT to OUT.
6. Ensure the canister has no water in it.

THE FILTER WILL NOT START

1. As the previous tips.
2. Check the impeller and shaft are in good condition.
3. Verify the filter is plugged in.

LOW WATER FLOW

1. As both previous tips.
2. Clean the filter media.
3. Clean the inlet and outlet U pipes.
4. Clean all tubing.

BOTH WATER & AIR COMING FROM OUTLET PIPE

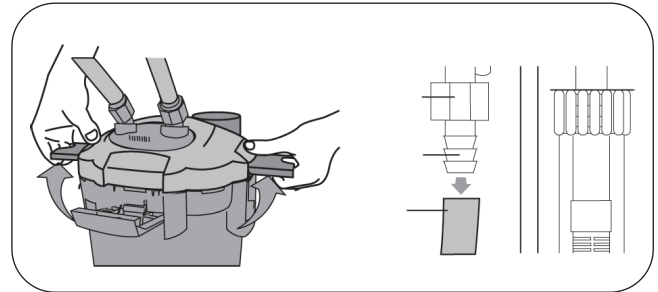
1. Leave 3-5 minutes.
2. Make sure an air stone is not operating near the intake strainer.
3. Check all tubing is connected firmly.
4. Check all O-rings and re-apply aquarium safe lubricant.
5. Gently rock filter back and forth trying to discharge the air in the canister.

FILTER IS MAKING NOISE

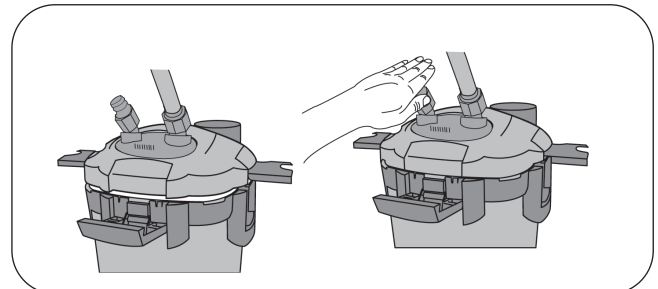
1. As per previous tips.
2. Outlet or inlet flow is restricted.

HEAD UNIT STUCK ON CANISTER BODY

1. While pump is still plugged in and running, remove the screw cap from the intake pipe. The intake pipe is the one which feeds the water into the filter unit. This will create an airlock in the canister body.
2. Once the airlock has been created (you will know when the water stops flowing from the outlet) turn the filter off at the receptacle and remove the screw cap from the outlet pipe.
3. Release the 2 locking clips and the 2 locking levers and remove a hose from either the inlet or outlet U pipe by loosening the lock nut and pulling the hose from the hose tail.



4. Remove the other hose at the tap. Now place one hand over the tap where the hose has been removed and blow into the hose.

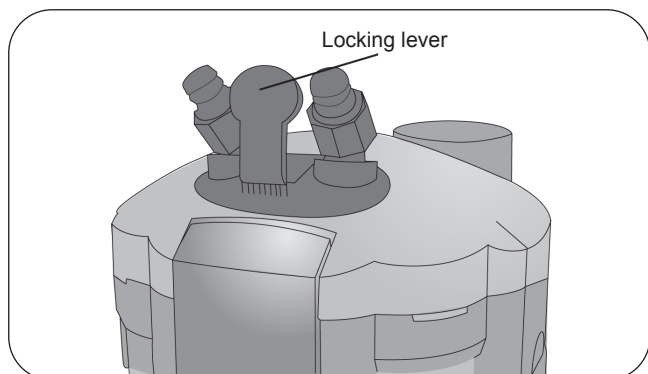


5. This will create pressure in the canister body and pop the head unit off.

If the filter is new and the head unit is on tight simply attach the tap unit and ensure the locking lever is down so the taps are open.

Trouble Shooting cont'd

Specifications



Ensure all clips are released.

Cap either the "IN" or "OUT" with your hand and blow into the other. This will create pressure and pop the head off.

NOTE: To avoid having this problem in the future maintain your filter regularly! Prior to refitting the head remove the o-ring and lubricate it with an aquarium safe lubricant. This will not only improve the seal but make removing the head a lot easier.

Canister Model: Nautilus 2700
Number of Media Baskets: 4
Dimensions: 32 x 49 x 32cm
Max Aquarium Volume: 400-700L

Maximum Flow Rate: 2700L/hr
Max Head Height: 2.0M
Filter Volume: 22 Litres
Power Requirements: 220 ~ 240V
Power Consumption: 32W
Suitable: Cold water, Tropical, Marine

Disposal of used Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment. For more information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you have purchased the product.

Aqua One - Guarantee 2 + 1 Year

The additional 1 Year **Extended Guarantee** applies when you REGISTER online with Aqua One. Register your Extended Guarantee at www.aquaone.com.au

About this Guarantee

The Manufacturer or Distributor, of Aqua One goods, is collectively known herein as "Aqua One". Please refer to contact details for Aqua One below or on the applicable Aqua One website. Any product that is covered by its own Guarantee (as enclosed with the product) is subject to the conditions of that Guarantee.

The benefits given to the purchaser, under Guarantee, are in addition to all other statutory rights and remedies which the purchaser has in respect of goods under legislation in the applicable country of purchase. This Guarantee shall not affect any such rights and should be read subject to such legislation.

1.0. Terms and Conditions of Guarantee.

- 1.1. Aqua One warrants to the purchaser, for 2 Years from date of original purchase, to repair or replace goods where fault is found due to defective materials or faulty workmanship and where goods do not operate in accordance with the instructions.
- 1.2. All claims for repair or replacement must be made at place of purchase.
- 1.3. The original and dated Proof of Purchase (receipt) must be supplied with all goods claims. Please also provide this Guarantee where possible.
- 1.4. The Guarantee covers the Aquarium against gluing breakdown resulting in leakage.
- 1.5. All goods subject to claim under Guarantee should be prepared for transportation in the original packaging or other comparable packaging which offers the same degree of protection.
- 1.6. Where goods are repaired or replaced under Guarantee, these goods are Guaranteed for the remainder of either the original Guarantee or Extended Guarantee period.
- 1.7. Where claims on inspection reveal goods are in normal working order, Aqua One will request reimbursement of all reasonable costs incurred.

2.0. Other Terms and Conditions – Extended Guarantee

- 2.1. The Extended Guarantee period is for an additional 1 Year and commences on expiration of the standard guarantee period.
- 2.2. Application for Extended Guarantee is FREE of any registration cost to the purchaser on completion of the Extended Guarantee questionnaire which is found on the applicable Aqua One website (refer below).
- 2.3. Upon receipt and acceptance of the questionnaire, Aqua One will forward (by way of email) a Certificate of Extended Guarantee to the purchaser.
- 2.4. For more information on how we collect, hold, use and disclose personal information provided to us, please refer to our Privacy Statement on the Aqua One websites or write to our Privacy Officer, in your country of purchase.
- 2.5. Where Aqua One determines goods are being used in a manner contrary to the instructions, specifications or this Guarantee, Aqua One reserves the right to terminate Extended Guarantee for such goods and will provide written notice to the purchaser.

3.0. Exclusions and Limitations

Where permitted by local law, the following exclusions and limitations apply in regard to Guarantee:

- 3.1. Goods claims where fault is due to, but not limited by a) misuse b) neglect c) abuse d) fire or flood e) normal wear and tear f) accidental breakage g) Acts of God h) mains voltage fluctuation or supply problems i) connection to any voltage other than what is stated on the rating plate j) modification or tampering to electrical cord or plug, k) vermin, insects or foreign object l) liquid spillage or submersion of goods not designed to sustain such use or duress.
- 3.2. Where inspections reveal goods are in normal working order including where noise or vibration is consistent with normal goods operation.
- 3.3. Attempted repairs or modifications by unauthorised persons, including but not limited to the drilling of holes in the aquarium glass by unauthorised persons.
- 3.4. Where the goods factory rating plate has been removed, altered, damaged or is rendered illegible.
- 3.5. Where goods are not installed, operated or maintained in accordance with Aqua One's goods instructions, specifications or this Guarantee.
- 3.6. Replacement or repair of worn consumables or replacement of lost goods, parts or components.
- 3.7. Costs associated with goods transportation, removal, installation, postage or cost of insurance.
- 3.8. Any damage incurred whilst installing, transporting or moving the goods.
- 3.9. Subject to certain local statutory rights and obligations to the contrary, and this guarantee shall not affect those rights or obligations, where, to the full extent permitted by law: 1. all express and implied warranties and conditions under statute or general law, are expressly excluded and Aqua One, where permitted, will limit liability as follows and at Aqua One's option to: in regard to goods either a) the replacement of goods or supply of equivalent goods b) the repair of goods or the cost of replacing the goods or of acquiring equivalent goods OR in regard to services either c) the re-supply of services d) the cost to re-supply services.
2. Aqua One will not be liable for any loss or damage, including consequential loss or damage either directly or indirectly, or for any incidental expenses, of any kind, and in any way whatsoever.

The additional 1 Year Extended Guarantee applies when you REGISTER online with Aqua One. Register your Extended Guarantee at www.aquaone.com.au

(1) Consumables include items such as filter media/cartridges, impellers and shafts.

Aqua One may be contacted in:
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