

Canister Filter Instruction Manual

Always comply with these instructions. Please read carefully.

Aqua One®



For models 2200 & 2400

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Important Safeguards

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

1. Read and follow all safety instructions before using this appliance.

2. **DANGER:** 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 falls into water, do not reach for it, unplug it and then retrieve it. If the electrical components of the appliance get wet, unplug the appliance immediately (non immersible equipment only).

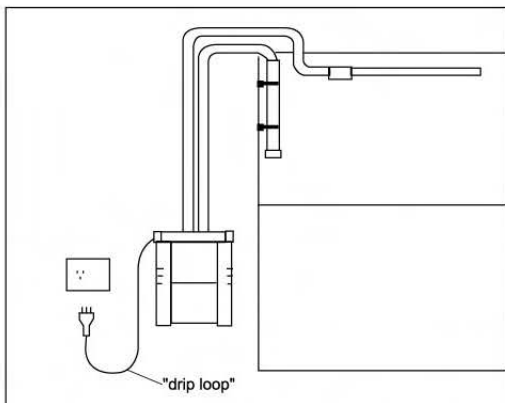
b) If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source (immersible equipment only).

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

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

e) To avoid the possibility of the appliance plug or receptacle getting wet, position the aquarium stand and tank to one side of the wall mounted receptacle to prevent water dripping onto the receptacle plug.

A "drip loop" (see the diagram above right) should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The drip loop is the part of the cord below the level of the receptacle or the connector if an extension cord used. It is used to prevent water travelling along the cord and coming in contact with the receptacle.



If the plug or receptacle 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 receptacle.

3. Close supervision is necessary when the appliance is used by or near children.

4. 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. Never yank the cord to pull it from the outlet. Grasp the plug and unplug to disconnect.

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

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

7. Make sure an appliance mounted on a tank is securely installed before operating it.

8. Read and observe all the important notices on the appliance.

9. If an extension cord is necessary, a cord with a proper rating should be used. Care should be taken to arrange the cord so that it will not be tripped or pulled.

Choosing a Filter

Tank Size	Model
50L	500
100L	500
150L	700
200L	700
250L	1000
300L	1200
400L	1200
500L	2200
600L	2400
800L	2400

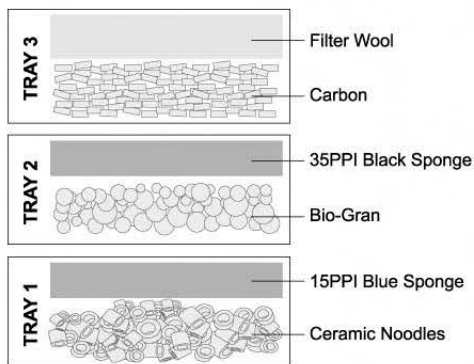
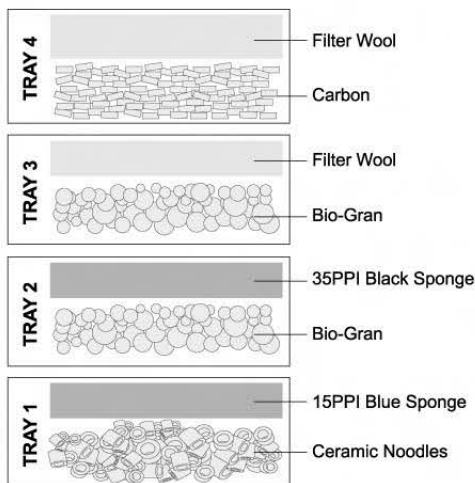
Calculating the volume of my aquarium

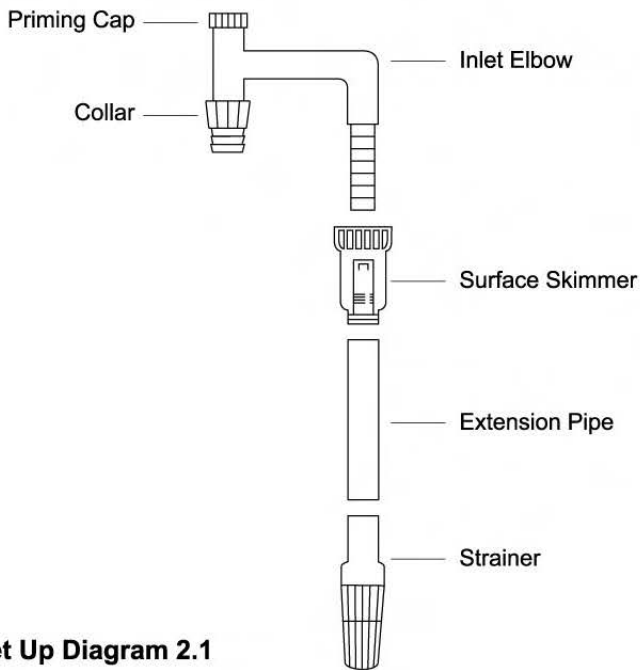
To calculate the volume of your aquarium, multiply the length, width & height in cm then divide the total by 1000 = litres.

$$\frac{L \times W \times H}{1000} = \text{litres}$$

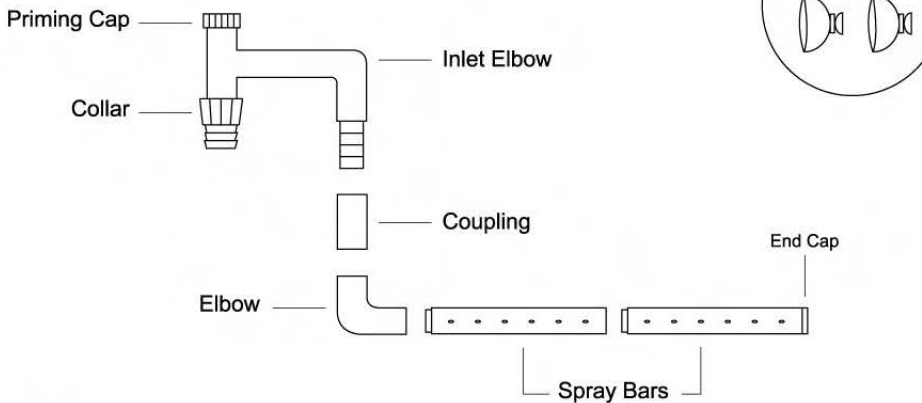
Larger fish, cichlids and saltwater fish would need extra filtration.

Filter Media Set Up: Diagram 1.1

2200

2400




Intake Set Up Diagram 2.1



Outlet Set Up Diagram 2.2

Installation

1. Flip out each side of the four CLIPS and pull the PUMP HEAD upwards to release. The PUMP HEAD can now be lifted off the FILTER BODY.

2. Take out each of the MEDIA CONTAINERS. The retractable handles can be pulled out in an upward direction to help with the removal.

3. The MEDIA CONTAINERS can now be filled with filter media. Follow diagram 1.1 for proper installation.

a. The MEDIA CONTAINERS should not be overfilled. Each module should not be filled higher than the bottom of the retractable handle.

b. Do not block the flow through pipe located in the centre of each MEDIA CONTAINER. The top MEDIA CONTAINER has a SEAL RING, make sure this is in place.

c. Wash all the filter media thoroughly before use. Tap water is fine for the first time, but do not use soap or detergents.

4. Place each MEDIA CONTAINER back into the FILTER BODY one at a time. Make sure each MEDIA CONTAINER is firmly positioned within the FILTER BODY. All MEDIA CONTAINERS must be stacked and aligned properly with the flow through pipe on each module lining up.

5. Replace the PUMP HEAD back onto the FILTER BODY.

a. Make sure the SEAL RING is in position around outside of the PUMP HEAD.

b. The PUMP HEAD has an INLET PIPE which must align with the flow through pipe on the top MEDIA CONTAINER.

6. Fit the INTEGRATED TAPS to the top of the PUMP HEAD. When placing on, pull the handle forward and push the TAP into position, then push the handle towards the PUMP HEAD until touching. Check the tap is secure.

7. Attach each piece of TUBING onto the INTEGRATED TAPS. Push the TUBE over the barbed fitting so that the plastic collar can be tightened over the TUBING ensuring that they will not come off.

8. Place the prepared filter under your aquarium in the desired position. Run the hoses up to the top of the aquarium.

9. Connect all the inlet fittings together. Follow diagram 2.1 for proper installation.

a. Fasten the INLET to the rear of the aquarium with 2 of the SUCTION CUPS provided.

b. The surface skimmer's grooves must be half out of the water. The INLET ELBOW is adjustable so the height may be brought up or down to compensate for where the water level may be.

c. Attach the INLET ELBOW to the tube that is connected to the TAP marked IN. Measure the length of tube that is required and cut away any excess tubing not required. Push the tube over the barbed fitting so that the plastic collar can be tightened over the TUBING ensuring that it will not come off.

10. Connect all the fittings together. Follow diagram 2.2 for proper installation.

a. Fasten the OUTLET to the rear of the aquarium with 2 SUCTION CUPS provided. For best circulation place the inlet and the outlet at opposite ends of the aquarium.

b. Surface movement is important in an aquarium so make sure that the water returned agitates the surface.

c. Attach the OUTLET ELBOW to the tube that is connected to the TAP marked OUT. Measure the length of tube that is required and cut away any excess tubing not required. Push the tube over the barbed fitting so that the plastic collar can be tightened over the TUBING ensuring that it will not come off.

Starting Your Filter

1. Your aquarium must be filled with water.

2. Check all the fittings and connections to make sure they are secure.

3. Push down repeatedly on the PRIMER located on the top of the PUMP HEAD, keep the action going until the water starts to siphoning on its own.

4. Wait until the filter fills completely with water, the unit is now ready to be plugged in.

Maintenance

1. Prior to cleaning, unplug the filter from the electrical outlet.

2. Pull the lever in between the TAPS forward until it stops. Remove the taps system from the MOTOR HEAD.

3. The filter can now be moved from the aquarium.

4. Rinse all filter media with **aquarium water only**. Have a bucket of aquarium water and gently dunk the MEDIA CONTAINERS up and down in the water.

5. It is recommended to clean the filter out every six to eight weeks or before if flow has decreased significantly.

- Replace white filter pad.
- Replace carbon (if used).

6. Clean the IMPELLER and IMPELLER WELL with fresh water (see Accessing the Impeller). Also clean TUBING with a double ended pipe brush. INTAKE TUBE, INTAKE STRAINER, OUTLET PIPE and SPRAY BAR need to be cleaned with the pipe brush as well.

Accessing the Impeller

- Turn the PUMP HEAD upside down.
- Remove the clear plug from the LOCKING CLIP. Do not lose this small piece.
- Turn the LOCKING CLIP until free then remove.
- Remove the IMPELLER and SHAFT.

Trouble Shooting

The Filter Unit is Leaking

1. Check all SEAL RINGS are in place and that they are free of debris.
2. Check the hoses are connected well.

The Filter Will Not Prime

1. Check TUBING for kinks.
2. Make sure the LEVER on the TAP system is pushed all the way down.
3. The aquarium needs to be filled (2-3 cm from the top).
4. Check that the SURFACE SKIMMER is not half way out the water.

The Filter Will Not Start

1. Check as per the previous tips.
2. Check the IMPELLER and SHAFT are in good condition.
3. Verify the filter is plugged in.

Low Water Flow

1. Check as per both previous tips.
2. Clean the filter media.
3. Clean the INLET and OUTLET fittings.
4. Clean all TUBING.

Both Water & Air is coming from the Outlet Pipe

1. Leave for 3-5 minutes.
2. Make sure an airstone is not operating near the INLET of the filter.
3. Check all TUBING is connected securely.
4. Check all SEAL RINGS.
5. Gently rock filter back and forth trying to discharge the air in the canister.

Replacement Parts

& Filter Media for 2200/2400

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. Alternately you will find these numbers on the silver label located on the product.

35PPI Black Sponge

42S

15PPI Blue Sponge

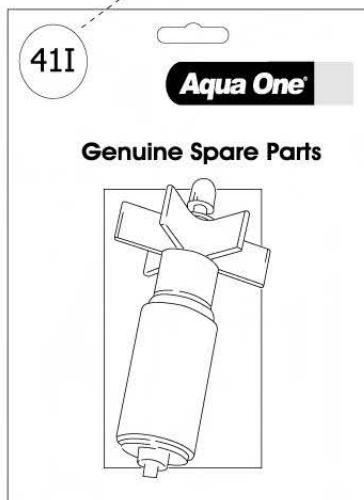
41S

White Wool Pad

41W

Impeller

41I



Aqua One Canister Filter Guarantee Conditions

This item is covered by a 2 year guarantee.

The benefits given to the purchaser by the manufacturers guarantee are in addition to all other rights and remedies which the purchaser has in respect of the equipment under the Australian Competition and Consumer Commission Act.

1. All claims for guarantee service should be made to the place of purchase.
2. You must provide proof of purchase when you submit your equipment for repair under guarantee.
3. This guarantee extends only to defects occurring in materials or workmanship under normal use of the equipment when operated in accordance with the supplied instructions.
4. Replacement equipment is guaranteed for the remainder of the original manufacturer's guarantee period.

5. Guarantee does not cover:

- a. Cost of freight, postage or the cost of insurance.
 - b. Service costs arising from failure to correctly adjust the controls of the product or to clean the hoses, filter media, impellers, pump heads, failure to observe the manufacturer's instructions or inspections that reveal that the equipment is in normal working order.
 - c. Equipment failures caused by misuse, neglect, normal wear and tear, accidental breakage, repairs or modification by unauthorised persons, lightning strikes, mains voltage fluctuation, earthquakes, vermin infestation or liquid spillage.
 - d. Consumables, such as impellers shafts or filter cartridges.
 - e. Damaged incurred in transit resulting from inadequate packing.
6. It is recommended that all equipment subject to claim should be prepared for transportation in its original packaging or other suitable packaging which offers the same degree of protection.

Technical Data

MODEL	FLOW RATE	POWER CONSUMPTION	FILTER VOLUME	MAXIMUM HEAD HEIGHT
2200	2200 L/hr	56 Watts	18 Litres	2.0 m
2400	2340 L/hr	62 Watts	22 Litres	2.2 m