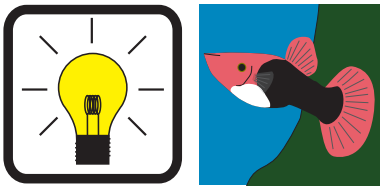
Aqua One®

Inspiring Excellence in Fish Care!

Maxi Powerhead
101/102/103/104/105/106

Before you work on your aquarium, wash your hands and arms. It is very important to remove dirt, moisturiser and other impurities.



All species of fish have specific requirements for their care. Please seek advice from your Aqua One retailer for correct care requirements and species compatibility.

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

Regular maintenance of this product and components are required in order to keep equipment within Guarantee and to maintain fish health.

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Customer Care

Thank you for choosing this Aqua One product.

Your Aqua One product is covered for parts and labour for 2 years from the date of purchase as detailed in the terms of the Guarantee in this instruction manual. For any inquiries or concerns regarding this product or any of our products, please do not hesitate to contact your local Aqua One Retailer or visit Aqua One Customer Care online in your country of purchase via the websites listed.

Australia:
www.aquaone.com.au
New Zealand:
www.aquaone.co.nz
United Kingdom:
www.aquaone.co.uk
All other countries:
www.aquaone.com.au

Instruction version: 10/2/2025

Important Safeguards

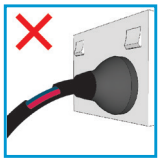
If you are in any doubt about the electrical installation or safety of this product you must consult a qualified electrician.

Water and electricity can be dangerous. Do not attempt repairs yourself. Return the appliance to an authorised service facility for repair.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

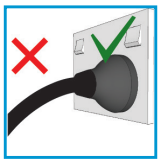
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and maintenance shall not be made by children without supervision.

Arrange a drip loop for each cable to stop water entering the power socket. If the plug or the socket does get wet, disconnect the fuse or circuit breaker before unplugging the power plug.

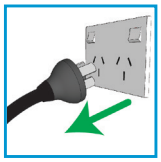


If the supply cord is damaged it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

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



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

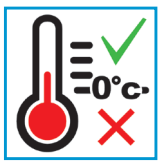


When the appliance is not in use and before cleaning, unplug the appliance from the outlet firstly.

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.

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

Do not use the appliance for reasons other than the intended use.



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

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

The pump is to be supplied through a residual current device (RCD) having aa rated residual operating current not exceeding 20 mA. The pump is to be located where flooding cannot occur.

This product is intended for indoor use only.

Specifications

Model	Dimensions	Flow Rate	Power	Max Head
101	6.5x4.5x5 cm* 2.6x1.8x2 in	400 L/Hr 105 G/Hr	6 W	0.65 m 25 in
102	6.5x4.5x6.5 cm* 2.6x1.8x2.6 in	500 L/Hr 132 G/Hr	8 W	1.05 m 41 in
103	10x5.5x8 cm* 4x2.2x3.2 in	1200 L/Hr 317 G/Hr	15 W	1.2 m 47 in
104	11.5x7x9 cm* 4.5x2.8x3.6 in	2000 L/Hr 528G/Hr	30 W	2 m 78 in
105	15.5x8x12 cm* 6.1x3.2x4.7 in	2200 L/Hr 581 G/Hr	45 W	2.5 m 98 in
106	17x10.5x14 cm* 6.7x4.1x5.5 in	3200 L/Hr 845 G/Hr	80 W	3.5 m 137 in

*Pump dimensions are measured without any of the attachments.

Spare Parts

Model	Impeller
101	1i
102	26i
103	27i
104	28i
105	29i
106	30i

Carefully unpack the product 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.

CORRECT DISPOSAL OF THIS PRODUCT

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and wellbeing.

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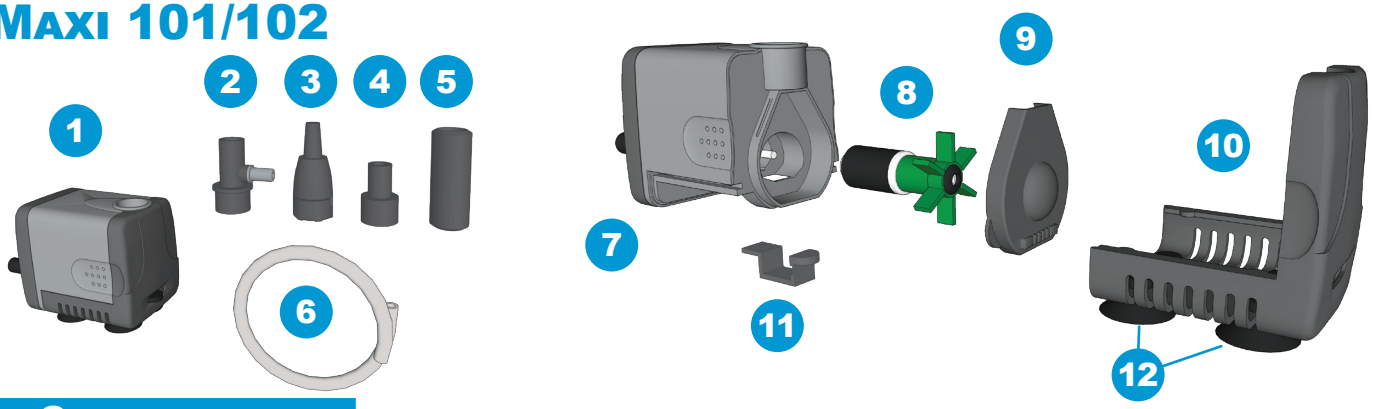
Know Your Powerhead

Maxi 101/102

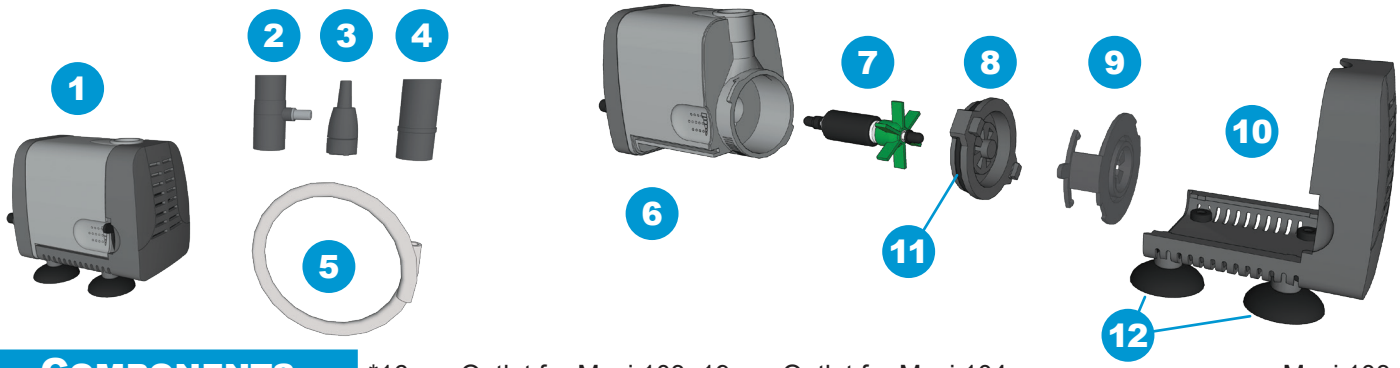


Maxi 101 shown

Components

1	Powerhead	4	9mm Adapter	7	Pump	10	Intake Strainer
2	Venturi Outlet	5	13mm Outlet	8	Impeller	11	Flow Controller
3	Air Intake Silencer	6	Airline	9	Impeller Cover	12	Suction Cup x4

Maxi 103/104



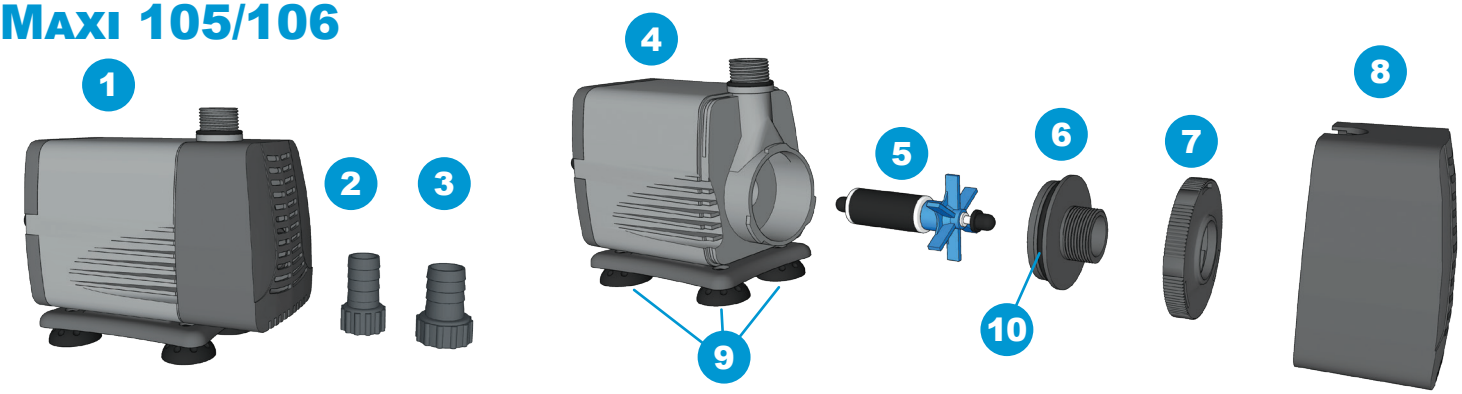
*16mm Outlet for Maxi 103, 19mm Outlet for Maxi 104

Maxi 103 shown

Components

1	Powerhead	4	Outlet*	7	Impeller	10	Intake Strainer
2	Venturi Outlet	5	Airline	8	Impeller Cover	11	O-Ring
3	Air Intake Silencer	6	Pump	9	Flow Controller	12	Suction Cup x4

Maxi 105/106



Maxi 105 shown

Components

1	Powerhead	4	Pump	7	Locking Ring	9	Suction Cup x4
2	19mm Hose Barb	5	Impeller	8	Intake Strainer	10	O-Ring
3	21mm Hose Barb	6	Impeller Cover				

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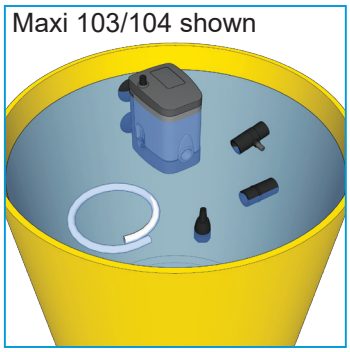
Setting Up

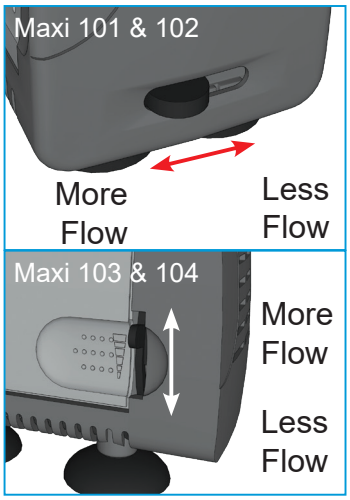
Unpack and Setup

Carefully remove Powerhead and all packaging materials from the box. Check all components are present before discarding packaging.



Rinse the Powerhead and attachments in tap water. Do not submerge cable and plug.

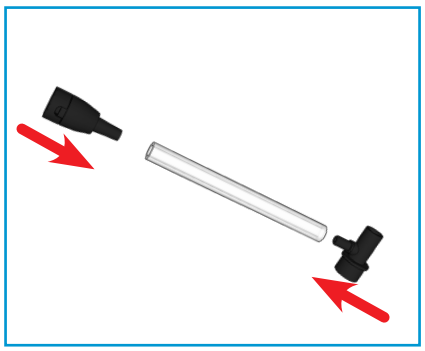
Choose your fittings and position in tank appropriately. Ensure that the intake strainer is not near the substrate.



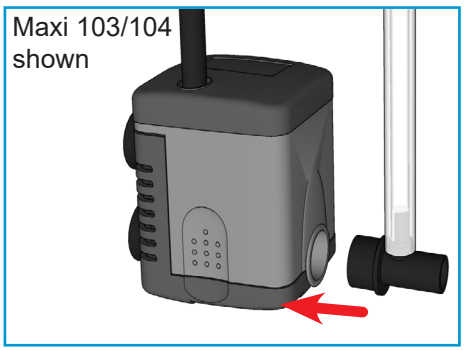
Turn on Powerhead and adjust water flow appropriately (Models 101, 102, 103 and 104 only).

Using the Venturi Outlet

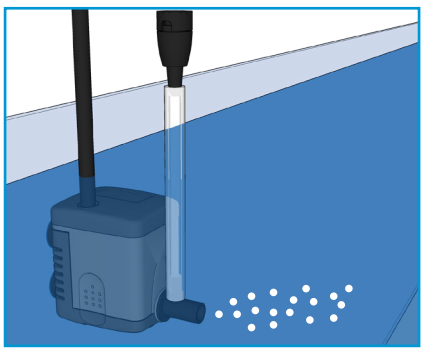
The Venturi Outlet will draw air into the outlet flow, which will help aerate the water.



Connect the Venturi Outlet, Airline and Air Intake Silencer.



Connect the Assembly to the Powerhead.



Ensure that the Venturi Inlet is securely placed above the water level.

The Powerhead must not be operated out of the water; this can cause the motor to be damaged from overheating.

MAINTENANCE

Unplug all equipment before beginning work on any part of the aquarium. Ensure that your hands and all power cables are dry before plugging in equipment and turning the power on.

DAILY

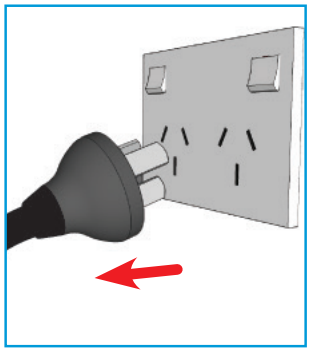
Ensure the Powerhead is mounted correctly and there is adequate water flow.

Check all pipes and fittings are attached and clear of debris.

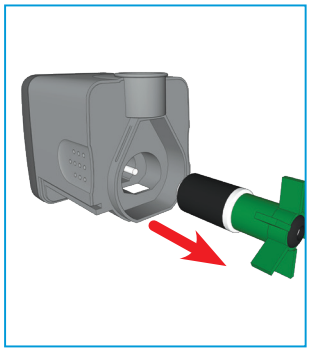
Maxi 101/102 shown

Never use abrasive materials or chemicals not intended for aquarium use to clean the pump and fittings.

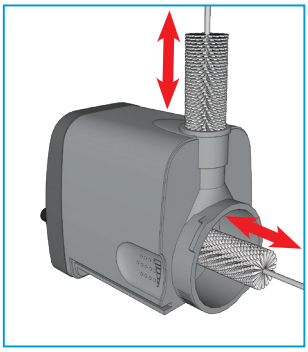
MONTHLY - CLEANING THE POWERHEAD



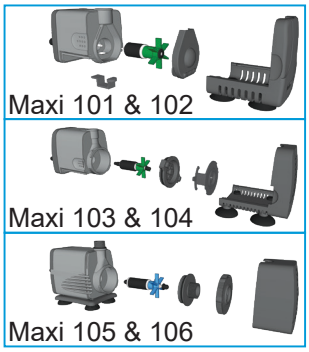
Unplug the Powerhead and remove from the aquarium.



To remove and clean Impeller, see **Removing the Impeller, page 7**.



Use a pipe brush* to clean the Impeller Well and internal channels of the Pump.
Rinse all components to remove any debris.



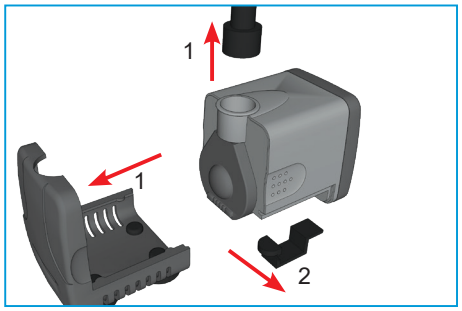
Reassemble the Powerhead and place it back into the original position. Make sure your hands and all plugs are dry, then reconnect to power and turn it on.

*Sold Separately

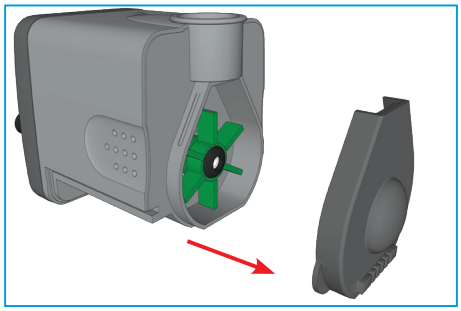
Maintenance cont.

Removing the Impeller

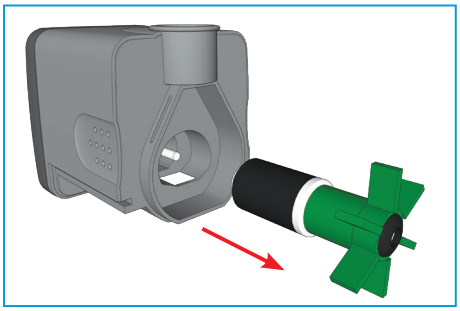
Maxi 101/102



Remove Intake Strainer[1] and any attachments from Pump. Gently slide Flow Controller[2] off.

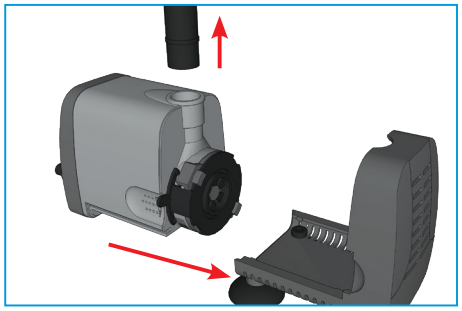


Lift tab to remove Impeller Cover.

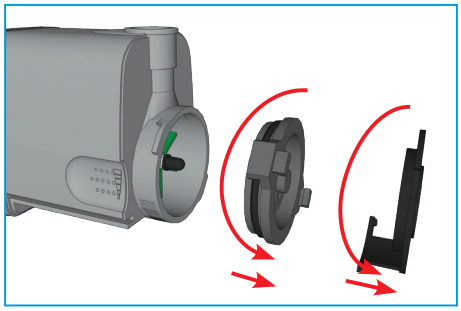


Remove Impeller. A small pair of pliers* can help to grip Impeller.

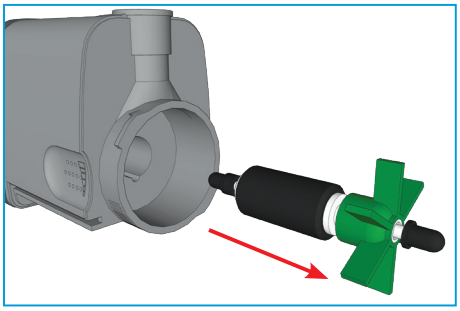
Maxi 103/104



Remove Intake Strainer and any attachments from Pump.

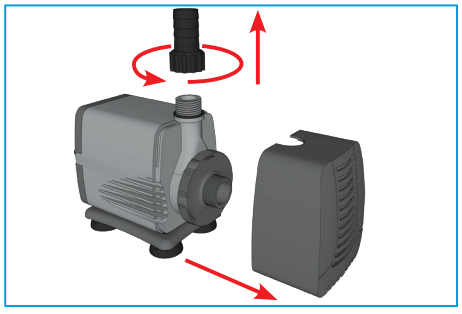


Turn the Flow Controller and Impeller Cover anti-clockwise to remove.

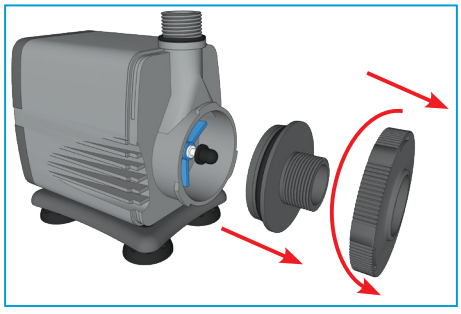


Remove Impeller. A small pair of pliers* can help to grip Impeller.

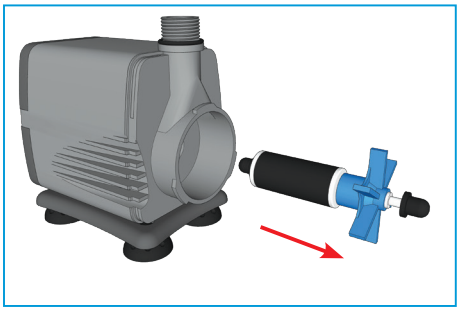
Maxi 105/106



Remove Intake Strainer and any attachments from Pump.



Turn the Locking Ring anti-clockwise and remove. Carefully remove the Impeller Cover.



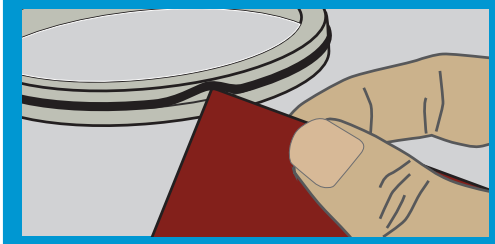
Remove Impeller. A small pair of pliers* can help to grip Impeller.

*Sold Separately

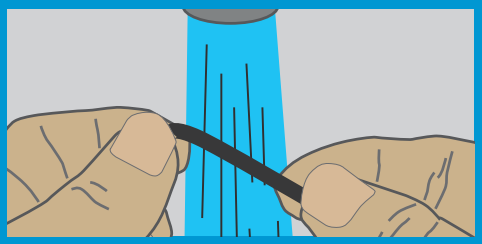
Cleaning and Lubricating of O-Rings

Maxi 103/104/105/106 Models

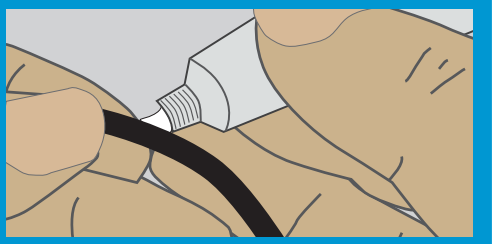
For extended life and ease of assembly and disassembly during maintenance, it is recommended that O-Rings are lubricated with aquarium safe O-Ring lubricant such as AquaLube*. Lubricating the O-Rings will also minimise the chance of parts seizing leading to accidental breakages during maintenance.



To remove the O-Ring, use a plastic card, such as a credit card to gently lever the O-Ring up and over the lip of its seat. Then roll it off the part.



Rinse the O-Ring in fresh water to remove any particles attached, then dry.



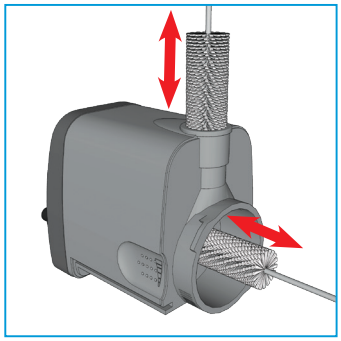
Put a small amount of lubricant* on the O-Ring so that it is covered by a thin film.

Troubleshooting

If you are having a problem that you can't solve by following these steps, take the item to your Aqua One retailer for inspection as many issues may be resolved with a replacement part or an adjustment.

Slow Water Flow

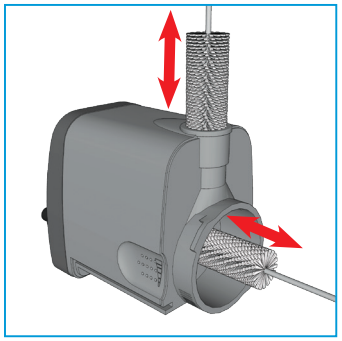
Check the intake and all fittings for debris and blockages.



Clean the Powerhead, see **Monthly - Cleaning the Powerhead, page 6.**

No Water Flow

Check that power is available and connected properly.



Clean the Powerhead, see **Monthly - Cleaning the Powerhead, page 6.**

Suction Cups won't stick

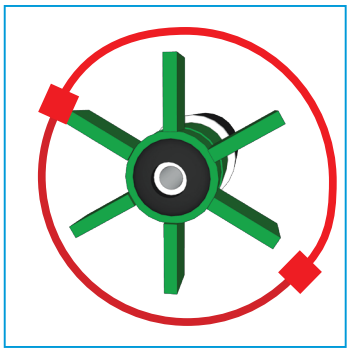
If the Powerhead won't stay in place, the Suction Cups may have become stiff with use. Soak Suction Cups in warm tap water (not boiling) to soften them for 10 minutes. If they still will not hold then they should be replaced.

If you are having trouble disconnecting the Suction Cups from the glass, do not pull them away from the glass as you may damage the cups or the bracket. You can release them by pushing on opposite sides of each Sucton Cup to break the seal.

Troubleshooting cont.

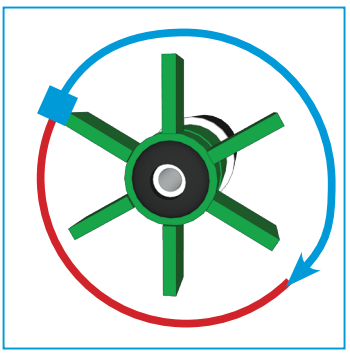
Diagnosing Pump problems

Maxi 101/102

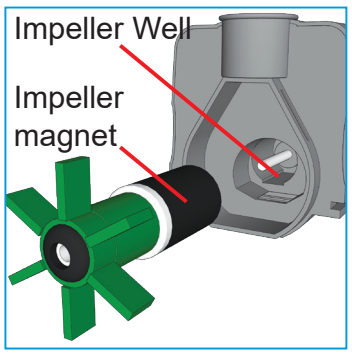


The blade section on the Impeller should not turn in relation to the Impeller Magnet. If it spins in relation to the magnet, the Impeller should be replaced.

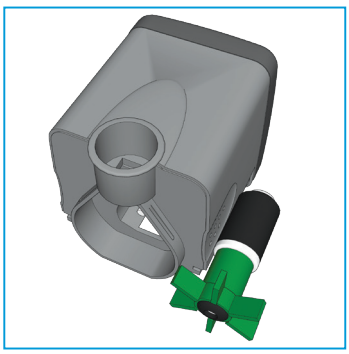
Maxi 103-106



The blade section on the Impeller should turn about 180° in relation to the Impeller Magnet. If it spins freely or not at all, the Impeller should be replaced.

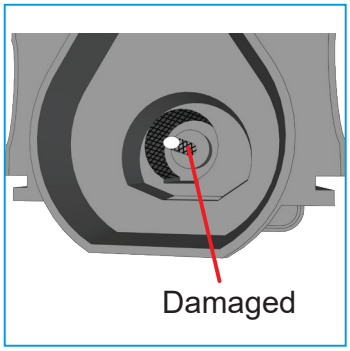


Check both the Impeller Magnet and the inside of the Impeller Well for damage. The surfaces should feel smooth, if not, they are damaged and the Powerhead will not work at full efficiency or at all.



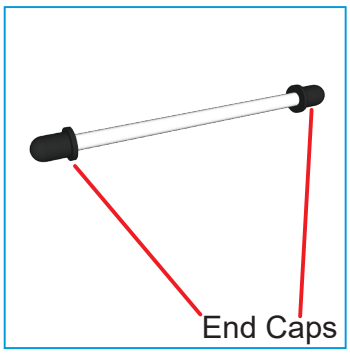
To test the electric coil, plug the Pump in (ensure everything is dry first!) and hold the Impeller Magnet next to the Pump as shown. You should feel the Magnet vibrate.

Maxi 101/102

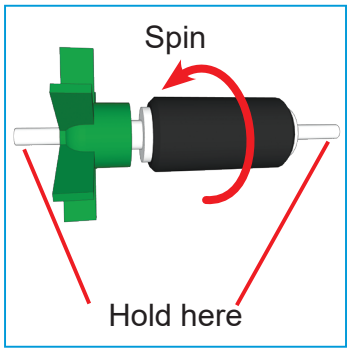


The Impeller Shaft is not removable. If it is damaged, the Pump will need to be replaced.

Maxi 103-106



The Impeller Shaft should wear very little but can be broken. Check also that both End Caps are present and undamaged.



Put the Impeller Shaft through the Impeller and hold the assembly by the Shaft ends. Spin the Impeller on the Shaft. It should spin smoothly - if you feel it wobbling, the Impeller may be worn and need replacement.

The external flexible cables of this unit cannot be replaced; if the cable is damaged, the product should be replaced.

Aqua One®

Inspiring Excellence in Fish Care!

Aqua One 2 Year Guarantee

Customer Care

Thank you for choosing this Aqua One product.

Your Aqua One product is covered for parts and labour for 2 years from the date of purchase as detailed in the terms of the Guarantee below. For any inquiries or concerns regarding this product or any of our products, please do not hesitate to contact your local Aqua One Retailer or visit Aqua One Customer Care online in your country of purchase via the websites listed.

Australia:
www.aquaone.com.au
New Zealand:
www.aquaone.co.nz
United Kingdom:
www.aquaone.co.uk
All other countries:
www.aquaone.com.au

Australian Consumer Law.
In Australia the Aqua One guarantee applies in addition to the guarantees that can not be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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 products under legislation in the applicable country of purchase. This guarantee shall not affect any such rights and should be read subject to such legislation.

Terms and conditions of your Aqua One Guarantee
1. The Aqua One guarantee becomes effective from the date of purchase.
2. You must provide the proof of purchase before any repair or replacement of your Aqua one product is considered when requesting a guarantee claim.
3. All products subject to guarantee claim should be prepared for transportation in the original packaging or other comparable packaging which offers the same degree of protection.
4. Where products are repaired or replaced under guarantee, these products are guaranteed for the remainder of the original guarantee period, where permitted by local law.
5. Where claims on inspection reveal goods are in normal working order, Aqua One will request reimbursement of all reasonable costs incurred.
6. Where Aqua One determines the products are being used in a manner contrary to the intended purpose/use, instructions, specifications or this guarantee, Aqua One reserves the right to terminate the guarantee and will provide written notice to the purchaser.

What is covered:
1. Aqua One warrants to the purchaser, for 2 Years from date of original purchase, to repair or replace products where fault is found due to defective materials or faulty workmanship and where goods do not operate in accordance with the instructions.
2. The guarantee covers any other products as enclosed with the product unless those products are provided with their own guarantee.

What is not covered
Where permitted by local law, the following exclusions and limitations apply in regard to guarantee:
1. Product guarantee 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 objects l) liquid spillage or submersion of goods not designed to sustain such use or duress.
2. Where inspections reveal the products are in normal working order including where noise or vibration is consistent with normal product operation.
3. Where the product's factory rating plate has been removed, altered, damaged or is rendered illegible.
4. Where products are not installed, operated or maintained in accordance with Aqua One's product instructions, specifications or this guarantee.
5. Replacement or repair of worn consumables such as: Impellers, Impeller Shafts and suction cups.
6. Replacement of lost products, parts or components.
7. Costs associated with products transportation, removal, installation, postage or cost of insurance.
8. Any damage incurred whilst installing, transporting or moving the goods.
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 products either a) the replacement of goods or supply of equivalent goods b) the repair of products or the cost of replacing the products OR of acquiring equivalent products 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

Aqua One may be contacted in:

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