



# HOB-500

## AQUARIUM HANG ON FILTER





Thank you for purchasing the All Pond Solutions HOB-500 hang-on aquarium filter. You will find in this manual details of how to correctly and safely install your unit.

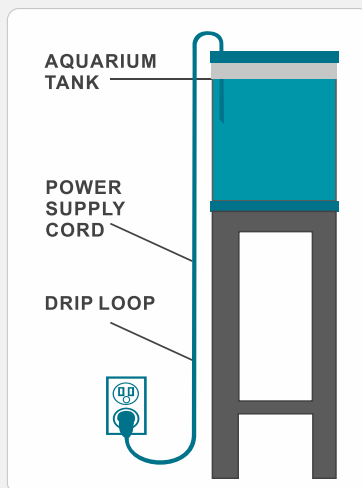
## SAFETY

**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 HOB-500 should never be run dry as this will cause the unit 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.
- 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.
- The power cable must have a drop 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.

**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.

Diagram 1





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.

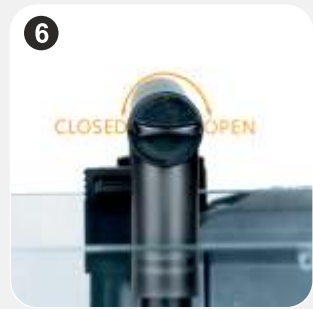
### Please Ensure:

- 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.

## INSTALLATION & USE

**Important** – ensure the unit is disconnected from the mains electricity supply whilst it is installed.

- 1 Remove the filter from the box. Unclip the filter head from the filter body and lift out the filter media baskets. Remove filter sponge from each media basket and rinse with water from your tank, along with any additional media you would like to add. Important - do not use mains water or any cleaning products to clean your media.
- 2 Return filter sponges into the media baskets and place back into the filter body. Fill the filter body with water from your tank to allow the unit to prime efficiently. Clip filter head back onto filter body.
- 3 Attach 2x brackets onto the filter body, lifting up to secure into position (image 1)
- 4 Attach inlet tube (part 1) into the inlet on the top of the unit (image 2). Rotate inlet nut to screw into place. Attach inlet pipe (part 4), or connect pipes (part 6) as required.
- 5 Attach outlet tube (part 11) into the outlet on the top of the unit (image 3). Rotate outlet nut to screw into place. Attach outlet nozzle or spray bar (part 9) as required.
- 6 Position the filter in your aquarium, ensuring the water level is high enough to submerge all inlet points and piping connections (image 4).
- 7 Adjust the width of the brackets to ensure that it fits securely to your tank rim (image 5)
- 8 Switch on the unit.
- 9 Rotate the flow rate adjusters on inlet and outlet tubes to increase or decrease the water intake (image 6).



## MAINTENANCE

**IMPORTANT!** Always switch off the power supply before performing any maintenance.

Decide on how regularly to clean your filter - this will be dependent on your water volume and how many fish you have in your aquarium. The best time to clean your filter is when completing a 10% water change, as you can use the aquarium water you are discarding to clean your media and other filter parts.



## Impeller Maintenance

A clogged impeller is often the primary cause of all filter faults, so it is advisable to clean your filter's impeller every month, to help improve the performance and overall lifespan of your aquarium filter. Gently wiping the impeller with a cloth will help to remove any algae or debris which has built up.

- 1 Switch off your filter at the mains and unplug the unit.
- 2 Remove your HOB-500 from your aquarium, unclip the filter head and pour out water from inside the filter.
- 3 Place the filter head upside down on a clean, dry surface and unscrew the motor casing (image 1).
- 4 To clean the impeller, remove from the motor casing and clear any debris or residue. The impeller 'fan' piece should rotate half way and stop. If it can rotate a full 360° then the impeller is damaged and will need replacing (image 2).
- 6 Replace the impeller and screw the motor casing back into the filter unit. Return your filter to your aquarium and switch back on.



## Filter Media Maintenance

**IMPORTANT!** Always use water from your fish tank to clean your filter media. Do not use mains water or any cleaning products to clean your media.

- 1 Switch off your filter at the mains and unplug the unit. Unclip the filter head and pour out water from inside the filter.
- 2 Remove the media baskets from inside the filter.
- 3 Wash the filter sponges and any additional basket media with water from your tank in a bowl. Gently squeeze the filter sponges to remove any build up - this will not remove all of the beneficial bacteria that is on the sponge, which is what is protecting your fish from ammonia in the water, so you can wash the sponge until the water moving through runs clear.
- 4 Replace your media back into the baskets and return into your filter.
- 5 Clip your filter head back onto the filter and switch back on.



# PARTS DIAGRAM



<b>1</b>	Inlet Tube	<b>10</b>	Outlet
<b>2</b>	Inlet	<b>11</b>	Outlet Tube
<b>3</b>	Flow Rate Adjuster	<b>12</b>	Filter Cover
<b>4</b>	Inlet Pipe	<b>13</b>	Pump
<b>5</b>	Cushioning Support	<b>14</b>	Media Tray Cover
<b>6</b>	Connect Pipe	<b>15</b>	Sponge
<b>7</b>	Brackets	<b>16</b>	Media Baskets x 5
<b>8</b>	Outlet Nozzle	<b>17</b>	Filter Body
<b>9</b>	Spray Bar		



## 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 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 Filter Media Maintenance section above.
- 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 above.
- There is no water in the filter body.
  - The filter is not switched on.
  - The inlet pipe is clogged.

### Solutions

- Use a small jug to scoop some water from the surface of your tank and pour into the filter body.
- Check your filter is plugged into the mains and is switched on.
- Remove the filter from your tank and clean the inlet pipe.

If none of the troubleshooting advice above resolves your issue, or you require spare parts for your HOB-500, please contact the supplier of your unit.



## SPECIFICATION

Flow Rate	500 litres per hour
Wattage	6w
Voltage	200 - 240v
Suitable Aquarium Size	60 - 250 litres
Dimensions	190mm x 275mm x 315mm

## WARRANTY

Your HOB-500 aquarium filter is guaranteed against defects in material or workmanship under normal aquarium usage and comes with 12 months warranty for all electrical parts.

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

We reserve the right to repair or replace the unit at our discretion.

Please be aware that perishable parts including impellers 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, neglect or tampering or customisation. No liability is assumed with respect to loss or damage to livestock or personal property irrespective of the cause thereof.

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







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