



AQUARIUM HANG-ON FILTER INSTRUCTION MANUAL



400-HO

500-HO



600-HO

Before installing your All Pond Solutions HO system ensure you have read the instructions and taken note of all safety advice. If you have any further questions or concerns please contact the retailer before installing the HO system.

INSTALLATION

Ensure the HO system is assembled as per diagram on box. When applying filter to fish tank rim, adjust the balance plate to level the filter.

Prior to operating filter, ensure the filter body is filled with aquarium water to allow the unit to prime efficiently.

To avoid priming problems, ensure water level is high enough to submerge ALL inlet points and piping connections.

Ensure all connections are clicked flush into place.

When operated once successfully assembled, water will enter the unit via the inlet tube until the system is fully primed and exit via the waterfall outlet.

The flow rate can be adjusted using the inlet pipe valve, ensuring quiet and efficient running.

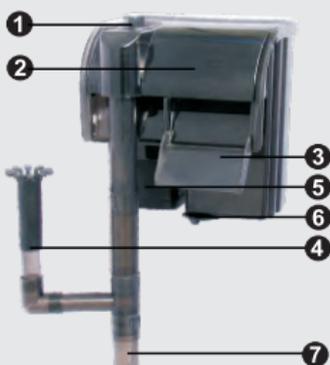
HO-400 and HO-600 models are supplied with a surface skimmer. Ensure the skimmer is positioned below water level to enable it to float freely and collect surface debris. If positioned above water level, air will enter the system and affect performance.

SPECIFICATIONS

MODEL	400-HO	500-HO	600-HO
VOLTAGE	220/240v		
POWER	5W	5W	8W
OUTPUT	400L/H	500L/H	600L/H
SIZE	120x120x300mm	155x130x290mm	230x130x300mm

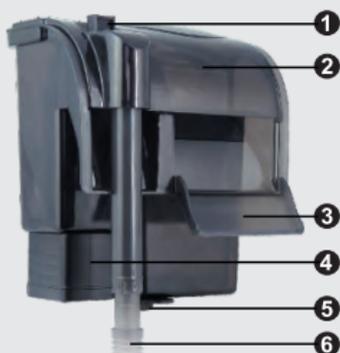


PARTS DIAGRAM HO-400



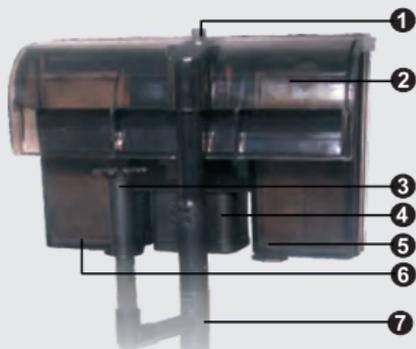
- ① FLOW RATE VALVE
- ② FILTER HOOD
- ③ OUTLET
- ④ SURFACE SKIMMER
- ⑤ MOTOR
- ⑥ BALANCE PLATE
- ⑦ INLET PIPE

PARTS DIAGRAM HO-500



- ① FLOW RATE VALVE
- ② FILTER HOOD
- ③ OUTLET
- ④ MOTOR
- ⑤ BALANCE PLATE
- ⑥ INLET PIPE

PARTS DIAGRAM HO-600



- ① FLOW RATE VALVE
- ② FILTER HOOD
- ③ SURFACE SKIMMER
- ④ MOTOR
- ⑤ LEFT BALANCE PLATE
- ⑥ RIGHT BALANCE PLATE
- ⑦ INLET PIPE



400-HO

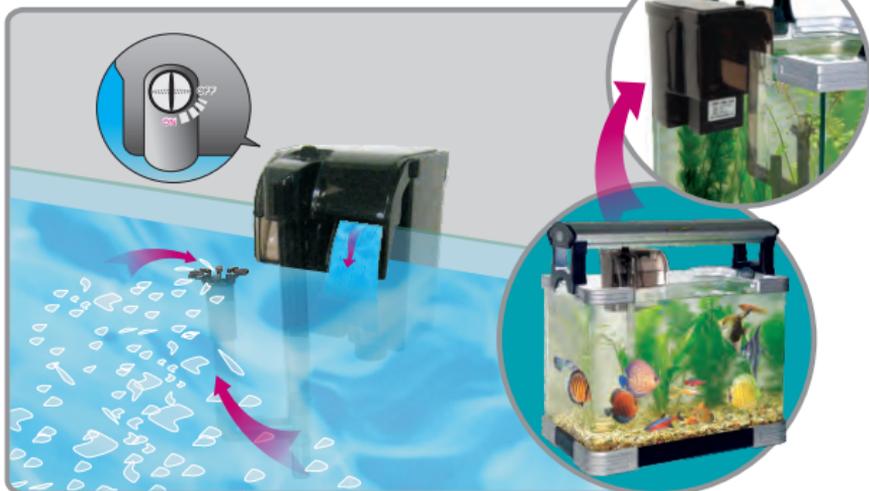


500-HO



600-HO

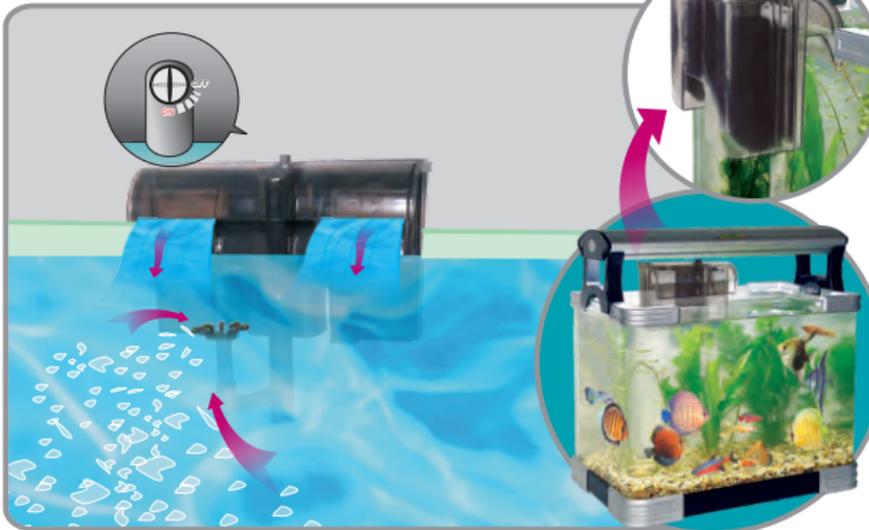
FEATURES HO-400



FEATURES HO-500



FEATURES HO-600



MAINTENANCE

It is recommended to schedule regular water changes and filter maintenance as required.

- **Always switch off power supply before performing maintenance!**

The use of current aquarium water is recommended when flushing system through.

400-HO and 600-HO filter media maintenance

These systems are supplied with filter foam and carbon filter pads. The use of current aquarium water is recommended when rinsing filter foams. It is generally recommended that carbon filter pads are replaced every 2-3 months to avoid the release of harmful absorbed waste.

500-HO filter media maintenance

The 500-HO system is supplied with a biological block in addition to a carbon filter pad.

The use of current aquarium water is recommended when rinsing the biological block.

It is generally recommended that carbon filter pads are replaced every 2-3 months to avoid the release of harmful absorbed waste.

Impeller maintenance

Impeller inspection is recommended as part of a regular maintenance schedule. To unlock the impeller, gently twist motor free of filter body and pull clear of unit. Always ensure unit is unplugged and filter body is empty before removing motor.

Regularly inspect impellor for damage and clear all blockages.

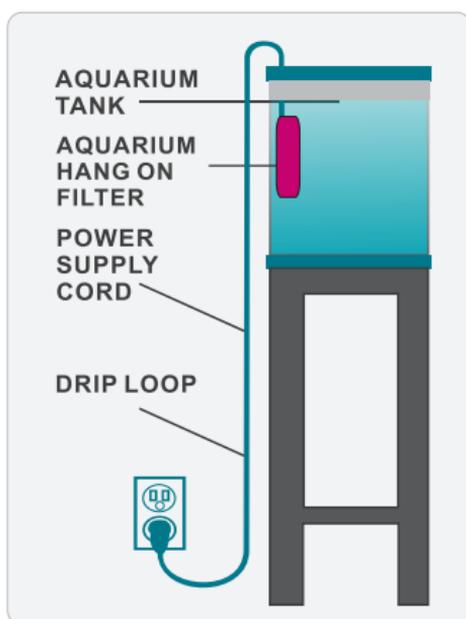
To re-install the motor, insert motor unit upright into filter body by gently pushing and twisting to lock into place.

SAFETY

IMPORTANT! Always disconnect electricity supply before attempting installation, maintenance or handling.

- To avoid overheating damage do not operate when dry.
- Always ensure power cable is looped to avoid condensation running down the cable into the power supply. (See *diagram 1*)
- Do not connect to any voltage other than stated on the motor.
- Not suitable for use with liquids other than water.
- Not suitable for use in water above 90°F / 30°C

Diagram 1 ►



WARRANTY

The HO system is supplied with a 12 month warranty. Please contact your supplier for details.