



KOCKNEY KOI



YAMITSU ALGAE MASTER
INSTRUCTION
BOOKLET

UK
CA | CE



Please register your Algae Master UV warranty online at
www.KockneyKoi.co.uk

**BRINGING HIGH QUALITY PRODUCTS
AND IMPECCABLE SERVICE SINCE
1984**

Yamitsu Algae Master Ultra Violet Units

Manufactured in Great Britain since 1990

Our unique specification and design ensure a high efficiency at an affordable price. They are made from UV stabilised materials to ensure a longer life and incorporates internal turbulators to enhance the units performance. The large inlet and exhaust ports make them suitable for a wide range of applications.

Installation.

Your Yamitsu Algae Master Uv needs to be installed after your pump so the water is forced through the unit. Depending on your pond installation this may be before or after the filter unit, check with your local aquatic outlet if your unsure where your UV should go on your system.

For best results you should use the largest size of solvent weld pipe or hose your system will allow, this is so the water flow isn't restricted too much.

If you are connecting to flexible hose with Kockney Koi hoesetails it is VERY important to make sure you trim any excess as in the image to allow maximum flow for your pipe size. The Kockney Koi hoesetail's solvent socket must be glued into the UV unit and you should use hose clips (we highly recommend Kockney Koi Hose Clips) to clamp your hose onto the barbed end of the hoesetail.

If using Solvent weld pipe to install your UV we would highly recommend installing demountable couplings and ball valves in the system line both before and after the UV, this will make maintenance much easier.

Wall Brackets are included in some size Algae master units, in single body units so you can mount your Algae master on the wall. This will significantly reduce the risk of accidental flooding from rainfall, prevent any inadvertent movement when in use etc. Wall mounted units need to be installed horizontally and a level measurement tool should be used to make sure the unit is installed level.

Quad or Hex units (120w upwards) units are not to be wall mount and but should stand on the feet of the unit on level ground.

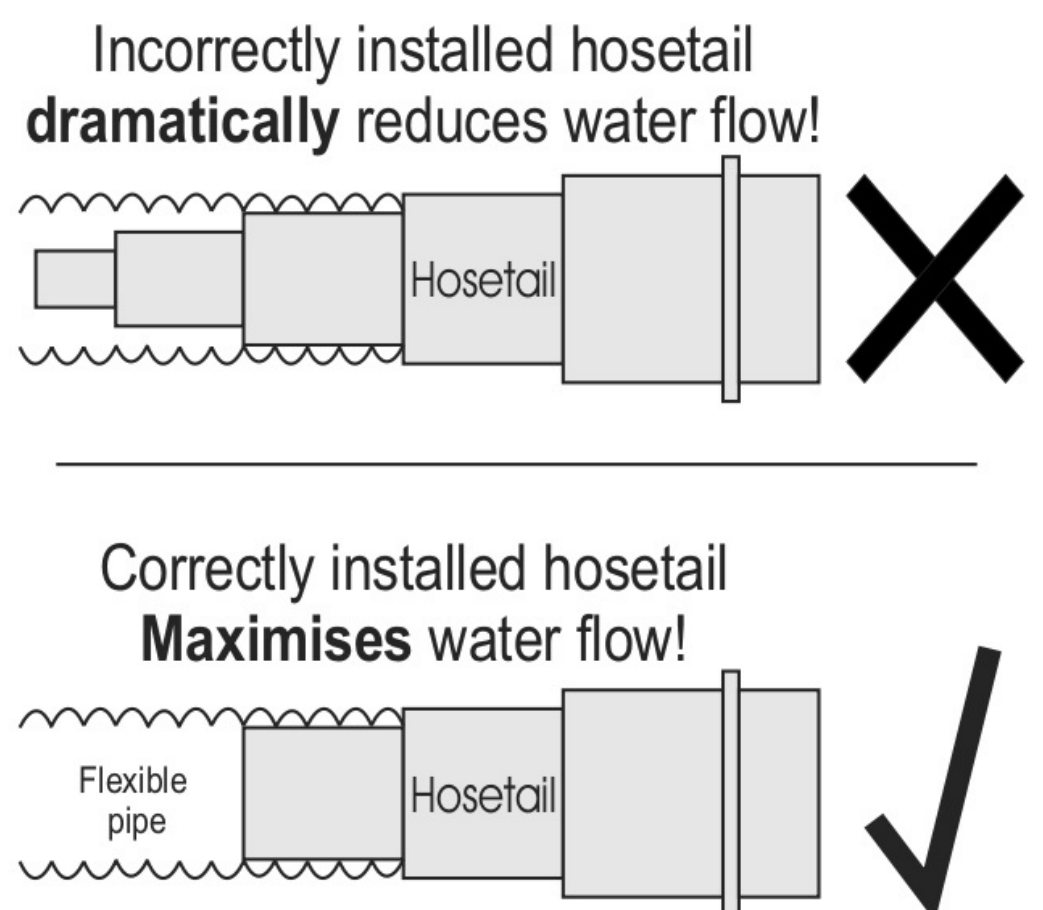
If installing a triport system onto a Kockney Koi or Yamitsu Filter, further install instructions regarding attachment to filter can be found on your filter instruction leaflet.

The fixed wiring MUST incorporate a double pole switch with a contact gap of no less than 3mm in each pole.

Installer Notes.

Yamitsu Algae Master units have been designed to run for twenty four hours a day, twelve months of the year. They should be installed in a well ventilated position but protected from frost and at no time be allowed to freeze. If you are unable to position the unit in a location where it will not freeze, you should make allowances during the installation to ensure you can easily remove it for storage during the colder times of the year.

We strongly recommend that all electrical work should be carried out by a competent electrician and that an earth leakage circuit breaker be fitted to all circuits to which pond equipment is connected.



Choosing your UV Unit

The below chart shows pond sizes and our recommendations for unit sizes up to 110w (Twin 55w).

Unit Size	Max Pond Size	
11 watt	1,500 galls	6,750 litres
15 watt	2,000 galls	9,000 litres
25 watt	3,250 galls	16,625 litres
30 watt	4,500 galls	20,250 litres
55 watt	6,000 galls	27,000 litres
15 watt (twin)	3,800 galls	17,100 litres
25 watt (twin)	6,000 galls	27,000 litres
30 watt (twin)	8,500 galls	38,250 litres
55 watt (twin)	11,400 galls	51,300 litres

Our customers usually that find our units are capable of much more than our recommendations, we try to give an allowance for factors many forget, such as the surface area, depth of pond and the amount of sunlight your system will have. If you decide to opt for a larger unit be assured that using a unit larger than needed will not have any detrimental effect.

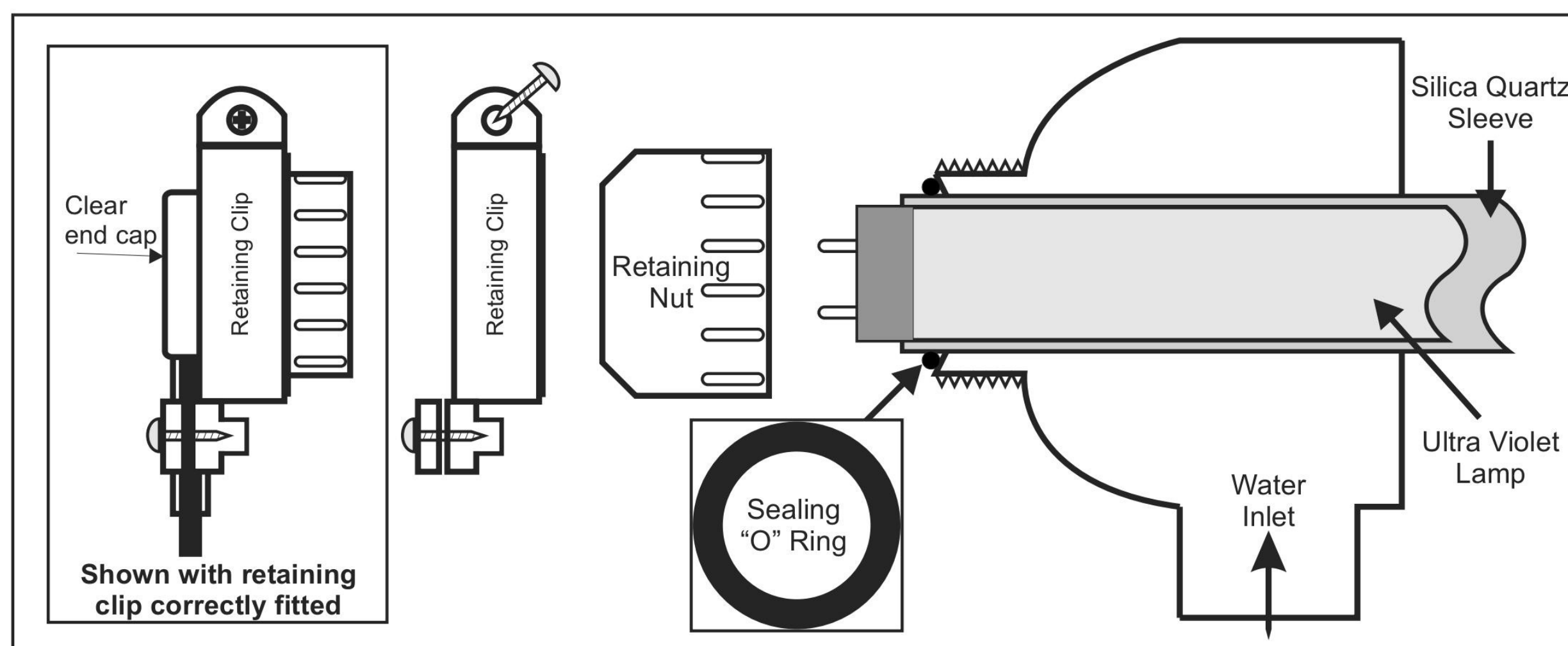
For optimum results all of the pond water should be pumped through the Algae Master unit every 1 ½ hours to 2 hours. Only water passed through the unit is treated, so ensure that any water being diverted, i.e for water features, has passed through the UV unit first.

Maintenance

Although maintenance is minimal all UV lamps will need replacing every six months to maintain the most efficient frequency. Lamps after six months time may appear to be illuminated and appear to be working but the radiation dosage diminishes with age and is ineffective after a period of six months.

NEVER look at any lamps when illuminated at any point of their lifespan even after the six month time period.

As the unit is dependant upon water passing through it, it is important to make sure part of your regular maintenance is ensuring that any pump strainers, pre-filters or delivery pipes are not blocked, fully or partially and causing flow to be restricted.



To change lamp and quartz sleeve

Isolate the unit from the main power, turn off the pump, drain all water from the unit.

Once the water has drained remove the retaining clips, shower-proof ends and lamp holders.

Carefully slide lamp then undo retaining nut at both ends of the Algae Master unit, remove 'O' rings from each end and carefully slide out the quartz sleeve.

To clean the quartz sleeve use a clean cloth dampened with pond water to wipe over and then wipe dry with a second clean cloth and reinstall being careful not to hit the quartz whilst in the body.

DO NOT use any chemical cleaners.

Reposition 'O' rings over each side of the quartz sleeve and centralise the tube with an even amount protruding at either end and replace the retaining nuts and tighten only by hand.

Turn on the pump and test for leaks, if no leaks are found turn off pump and put in your new Yamitsu UV tube and connect to the lamp holders, shower-proof ends and finish by replacing the retaining clips and tightening.

IMPORTANT SAFETY WARNINGS



WARNING UV-C
UV-C is emitted from this product.
Avoid eye and skin exposure.
Do not operate lamp outside of unit body.
Follow Installation instructions and user manual at all times.



DO NOT Look at the lamp when on (even if old or exhausted lamps are in use), this can cause irreversible damage to eyes.

DO NOT operate the UV lamp outside of the UV unit, this can cause irreversible damage to eyes and skin.

DO NOT open while switched on.

DO NOT Submerge or Partially Submerge the unit.

DO NOT run without a constant water flow.

DO NOT allow water to freeze within the unit. This unit must be protected from frost during colder months.

DO NOT use with broken, cracked or chipped quartz sleeve.

DO NOT allow children to play with the appliance. This appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

All supply circuits MUST be disconnected before accessing terminals.

ALWAYS isolate the unit from mains electricity and turn off any water supply before carrying out any maintenance.

DO NOT use if supply cord is damaged. The supply cord forms an integral part of this unit, if the cord is damaged the units electrics must be scrapped. There are no serviceable parts within the electric box.

Guarantee.

Although weatherproof, Yamitsu Algae Master units should not be installed in ANY position where they might be or become submerged (fully or partly), subject to flooding, puddling, freezing or subject to extreme conditions.

Units damaged to any of the above are not covered by the Guarantee.

Yamitsu Algae Master units are guaranteed for 12 months from date of purchase excludes lamps, quartz sleeves and any accidental breakages including those from shipping.

The supply cord forms an integral part of this unit, if the cord is damaged the units electrics must be scrapped.

There are no serviceable parts within the electric box.

Please remember to register your warranty online at www.kockneykoi.co.uk

Date of Purchase.....

Purchased from.....

Dates of maintenance performed.

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Please attach a copy of your receipt here

DISPOSAL OF YOUR OLD PRODUCT

Please contact your local authority about correct disposal for electrical and electronic equipment.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

