EAREEFPRO12611191MAN

UK
English

EVOLUTION AQUA
INNOVATION IN WATER

eaReefPro

INSTALLATION AND INSTRUCTION MANUAL FOR
eaReefPro 1800S / 1500S / 1200S / 900S / 600SCube Aquariums

CARE

This product requires Manual Handling.
Know your limitations before lifting!
For guidance please refer to: **hse.gov.uk/toolbox/manual.htm**

IMPORTANT

Never attempt to clean the aquarium with a sharp, blade-like object as this may damage the silicone bond and invalidate the warranty.

IMPORTANT

It is important to ensure that any water that is spilled onto the decorative panels is wiped off and dried immediately. Failure to do so will invalidate the warranty.

PLEASE READ all of the instruction manual before attempting to set-up your new eaReefPro Aquarium

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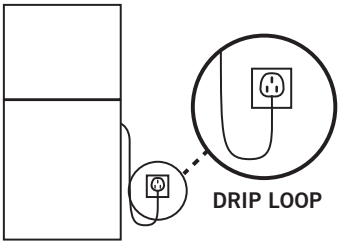
WARNING: PLEASE READ THE FOLLOWING SAFETY INFORMATION FIRST.

DANGER: To avoid a possible electric shock, ensure all electrical devices are switched off when carrying out maintenance. Take extra care when handling a wet aquarium. Do not attempt repairs yourself; return the appliance to the place of purchase for service or dispose of the appliance.

- To avoid the possibility of the appliance plug or socket getting wet, position the aquarium cabinet and tank to one side of a wall mounted socket to prevent water from dripping onto the socket or plug. You should create a “drip loop” for each cord connecting an aquarium appliance to a socket. The “drip loop” is that part of the cord below the level of the socket, or the connector. Use an extension cord, if necessary, to prevent water travelling along the cord and coming into contact with the socket.



- Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never pull the cord itself to remove the plug from the outlet. Hold the plug and pull to disconnect.
- If the plug or socket does get wet, **DO NOT unplug the cord**. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug the device and examine for presence of water in the socket.
- Close supervision is necessary when any appliance is used by or near children.
- Do not use an appliance for anything other than its intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
- Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing point.
- Make sure an appliance mounted on a tank is securely installed before operating it.

Read carefully all the important notices on the appliance and the corresponding instruction manual.

NOTE: A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it cannot be tripped over or pulled accidentally.

IMPORTANT

It is important to ensure that any water that is spilled onto the cabinet is wiped off and dried immediately. Failure to do so will invalidate the warranty.

INTRODUCTION

Congratulations on purchasing an Evolution Aqua aquarium. The eaReefPro aquarium range has been professionally designed for today's reefkeepers. eaReefPro is suitable for beginners right through to those at the cutting edge of the hobby, and combines practicality with modern looks, durability with premium quality.

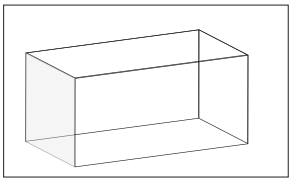
Along with eaReef, eaReefPro has been designed for marine hobbyists who like to choose and add their own equipment, building a bespoke sump-based saltwater system which is tailored exactly to their own methods, taste, experience and budget.

The aquarium, cabinet and sump are built from the highest quality materials, ready to be installed and equipped at your convenience. Please read this manual carefully before setting up your new eaReefPro aquarium.

CONTENTS

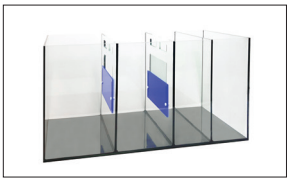
EAREEFPRO PARTS LIST

Your eaReefPro Aquarium comes complete with the following items:



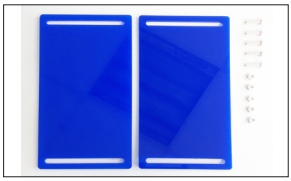
1) eaReefPro Aquarium with base mat fitted.

2) AquaFrame cabinet. (See additional assembly instructions)

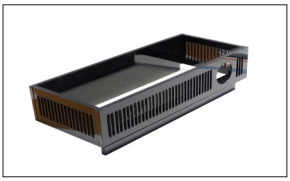


3) Glass sump with base mat fitted. Adjustable baffles not factory fitted.

***eaReefPro1800 has a separate reservoir tank**

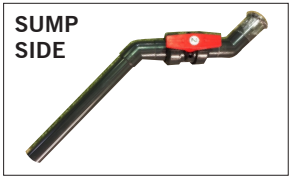


4) Adjustable baffle plates, plastic bolts and nuts.



5) Removable acrylic weir comb and lid.

6) COMPONENT 1 - Weir Side



7) COMPONENT 2 - Sump Side

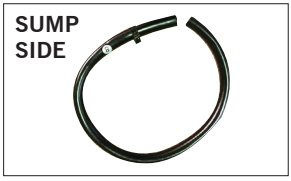
8) COMPONENT 3 - Weir Side

9) COMPONENT 4 - Sump Side

10) COMPONENT 5 - Weir Side

11) COMPONENT 6 - Weir Side

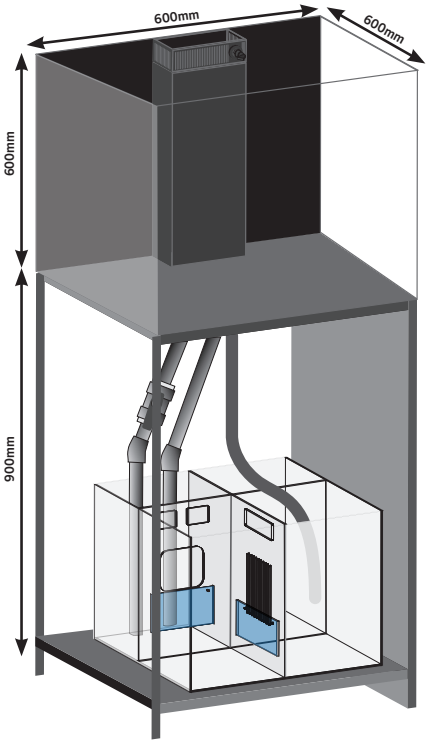
12) COMPONENT 7 - Sump Side

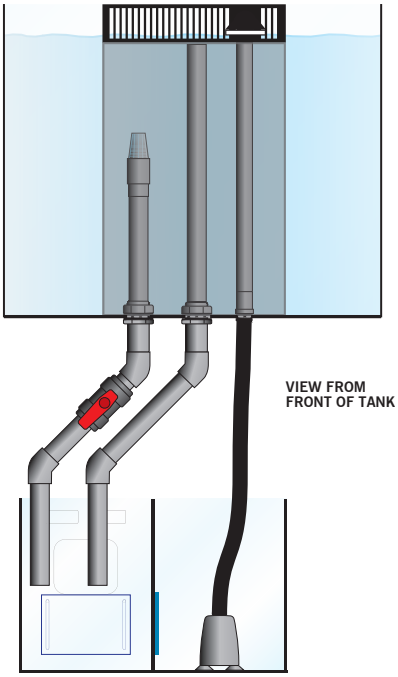


13) COMPONENT 8 - Sump Side

SPECIFICATIONS AND DIMENSIONS

eaReefPro600SCube

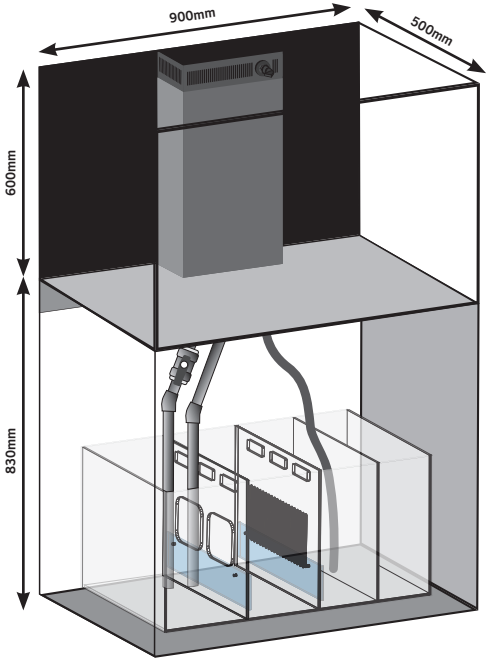


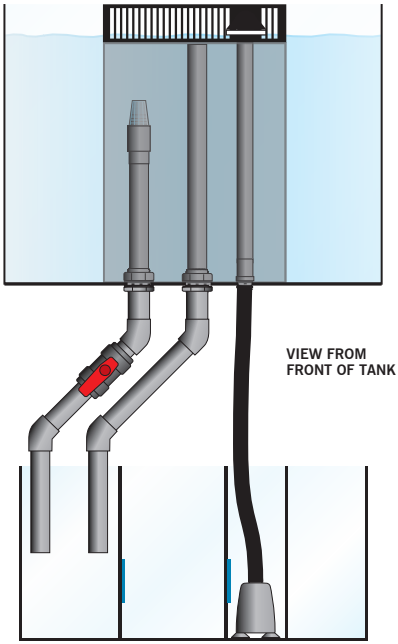


SPECIFICATION	eaReefPro600SCube
Aquarium dimensions	600mm(L) x 600mm(W) x 600mm(H)
Sump dimensions	500mm(L) x 380mm(W) x 400mm(H)
Cabinet dimensions	600mm(L) x 600mm(W) x 900mm(H)
Total system volume (nett)	223 litres adjustable upwards
Display tank volume (nett)	198 litres
Sump running volume (nett)	25 litres adjustable upwards
Sump top-up reservoir volume	17 litres
Skimmer chamber running height	190mm adjustable upwards
Skimmer chamber internal dimensions	240 x 180mm
Pump chamber internal dimensions	240 x 180mm
Reactor/refugium chamber internal dimensions	240 x 180mm
Top-up chamber internal dimensions	240 x 180 x 394mm
Maximum pump flow rate (not supplied)	4000lph (single nozzle) / 7000lph (twin nozzle)
Aquarium specifications	10mm glass all round. Low iron on five sides, black vinyl wrap background

SPECIFICATIONS AND DIMENSIONS

eaReefPro900S

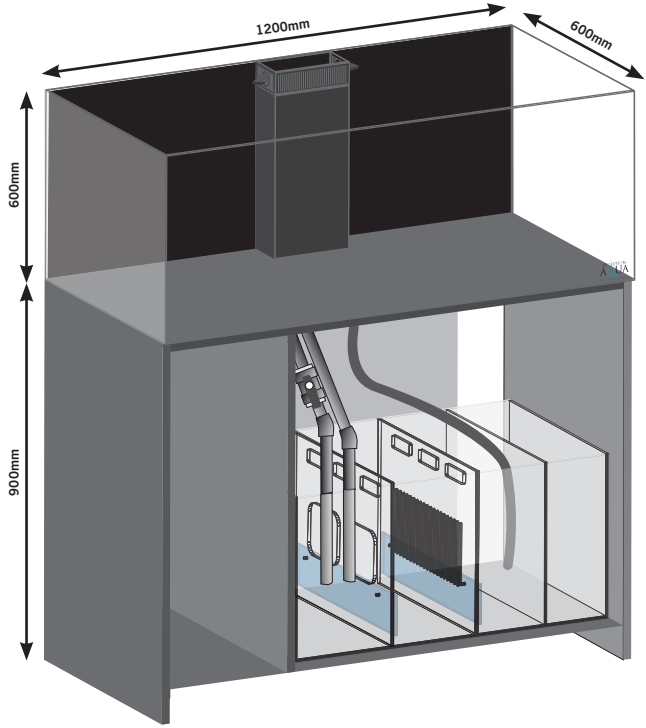




SPECIFICATION	eaReefPro900S
Aquarium dimensions	900mm(L) x 500mm(W) x 600mm(H)
Sump dimensions	800mm(L) x 350mm(W) x 400mm(H)
Cabinet dimensions	900mm(L) x 500mm(W) x 830mm(H)
Total system volume (nett)	267 litres adjustable upwards
Display tank volume (nett)	236 litres
Sump running volume (nett)	31 litres adjustable upwards
Sump top-up reservoir volume	19 litres
Skimmer chamber running height	190mm adjustable upwards
Skimmer chamber internal dimensions	250 x 338mm
Pump chamber internal dimensions	150 x 338mm
Reactor/refugium chamber internal dimensions	216 x 338mm
Top-up chamber internal dimensions	150 x 338 x 394mm
Maximum pump flow rate (not supplied)	4000lph (single nozzle) / 7000lph (twin nozzle)
Aquarium specifications	12mm glass all round. Low iron on five sides, black vinyl wrap background

SPECIFICATIONS

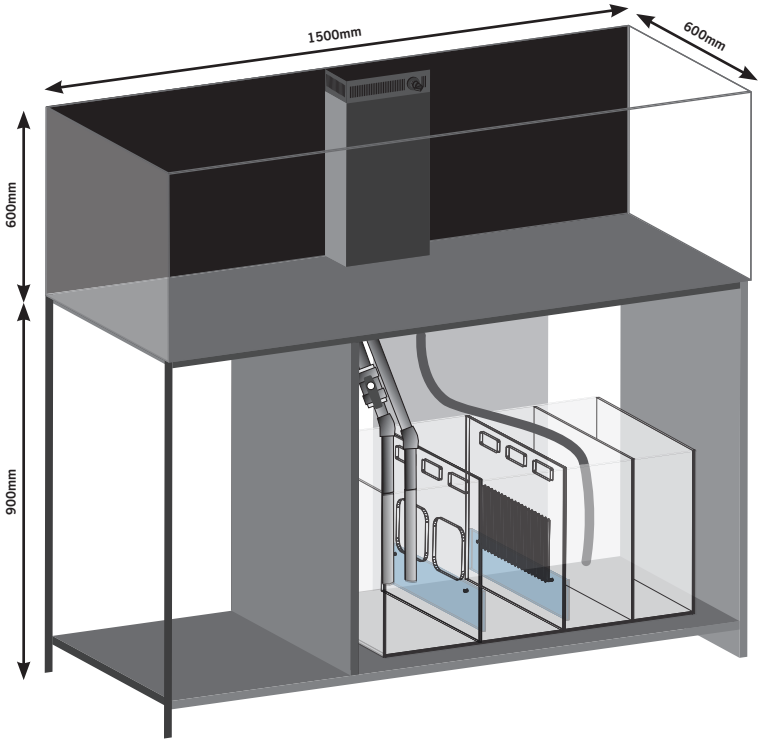
eaReefPro1200S



SPECIFICATION	eaReefPro1200S
Aquarium dimensions	1200mm(L) x 600mm(W) x 600mm(H)
Sump dimensions	800mm(L) x 450mm(W) x 450mm(H)
Cabinet dimensions	1200mm(L) x 600mm(W) x 900mm(H)
Total system volume (nett)	441 litres adjustable upwards
Display tank volume (nett)	396 litres
Sump running volume (nett)	45 litres adjustable upwards
Sump top-up reservoir volume	24.3 litres
Skimmer chamber running height	190mm adjustable upwards
Skimmer chamber internal dimensions	250 x 438mm
Pump chamber internal dimensions	150 x 438mm
Reactor/refugium chamber internal dimensions	241 x 438mm
Top-up chamber internal dimensions	125 x 438 x 444mm
Maximum pump flow rate (not supplied)	4000lph (single nozzle) / 7000lph (twin nozzle)
Aquarium specifications	15mm front, 12mm all other sides. Low iron on five sides. Black vinyl wrap.

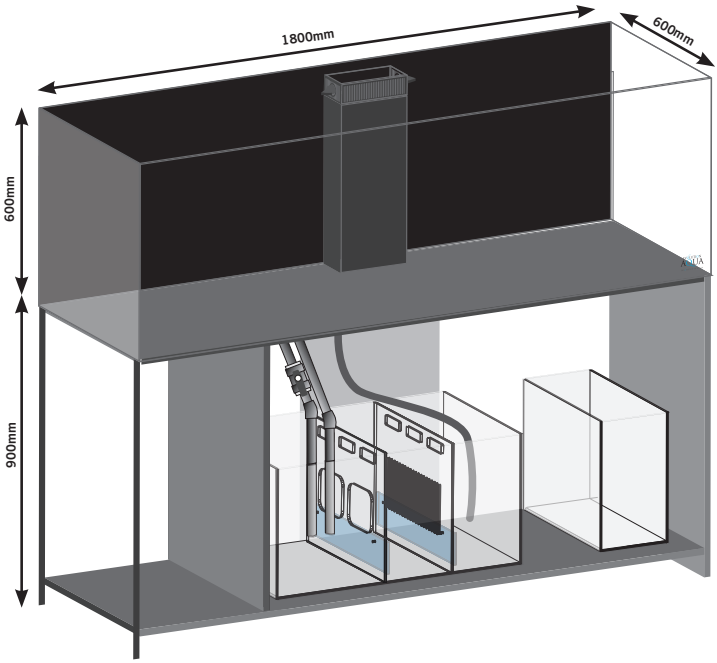
SPECIFICATIONS

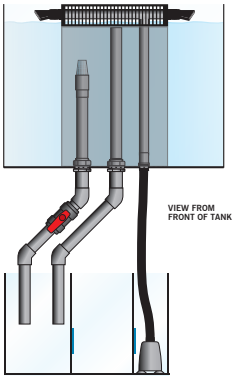
eaReefPro1500S



SPECIFICATION	eaReefPro1500S
Aquarium dimensions	1500mm(L) x 600mm(W) x 600mm(H)
Sump dimensions	900mm(L) x 450mm(W) x 450mm(H)
Cabinet dimensions	1500mm(L) x 600mm(W) x 900mm(H)
Total system volume (nett)	536 litres adjustable upwards
Display tank volume (nett)	490 litres
Sump running volume (nett)	46 litres adjustable upwards
Sump top-up reservoir volume	29.17 litres
Skimmer chamber running height	190mm adjustable upwards
Skimmer chamber internal dimensions	300 x 438mm
Pump chamber internal dimensions	150 x 438mm
Reactor/refugium chamber internal dimensions	266 x 438mm
Top-up chamber internal dimensions	150 x 438 x 444mm
Maximum pump flow rate (not supplied)	4000lph (single nozzle) / 7000lph (twin nozzle)
Aquarium specifications	15mm glass all round. Low iron on five sides. Black vinyl wrap background.

SPECIFICATIONS
eaReefPro1800S





SPECIFICATION	eaReefPro1800S
Aquarium dimensions	1800mm(L) x 600mm(W) x 600mm(H)
Sump dimensions	800mm(L) x 450mm(W) x 400mm(H)
Cabinet dimensions	1800mm(L) x 600mm(W) x 900mm(H)
Total system volume (nett)	588 litres adjustable upwards
Display tank volume (nett)	525 litres
Sump top-up reservoir volume	49 litres
Skimmer chamber running height	190 mm adjustable upwards
Skimmer chamber internal dimensions	350mm x 438mm
Pump chamber internal dimensions	150mm x 438mm
Reactor/refugium chamber internal dimensions	272mm x 438mm
Top-up chamber internal dimensions	288mm x 394mm x 438mm
Maximum pump flow rate (not supplied)	7000lph
Aquarium specifications	19mm glass all round. Low iron on five sides. Black vinyl wrap background.

HOW THE AQUARIUM WORKS

The eaReefPro consists of two aquariums (*three with eaReefPro1800) – the main display tank on top of the cabinet, and the sump tank below, inside the cabinet (with separate top-up tank in eaReefPro1800). The object of the sump tank is to hide away bulky, noisy or unsightly aquarium equipment like pumps, heaters, protein skimmers, automatic top-up devices, filters and reactors. A sump can also add extra volume to the main display tank above it. The larger the water volume, the more fish you can keep, and the more stable it becomes in terms of pollution and temperature fluctuations. Bigger water volume is always better when it comes to accurately replicating a slice of natural coral reef.

Sump tanks are popular with reefkeepers because they increase volume and house equipment. With equipment out of sight the main display tank can be aquascaped more effectively, while at the same time enjoying the best possible water purification (of your choice,) in the sump tank beneath.

CONNECTED TOGETHER

The two tanks are connected by pipework, to take system water to and from the main display tank. **PLEASE NOTE:** *On eaReefPro1800 models the top-up reservoir is not connected up by pipework supplied.* Water is pumped into the main display tank from the sump via the narrow inlet pipe situated inside the weir. Water leaves the main tank first by overflowing through the acrylic weir comb and then via two wide bore exit pipes situated inside the weir. Note in normal operation the short exit pipe fitted with strainer should remove 99.9% of the water from the main aquarium. The tall exit pipe, situated in the middle of the weir, is there as an emergency overflow pipe and should take very little water flow when in normal operation. Once back in the sump beneath, water from the main tank can be filtered, heated and returned using the user's choice of equipment (not supplied).

Water is circulated constantly when eaReefPro is in operation, and water height in the main tank will be set at a permanent height regardless of evaporation. The advantage of this is that even though evaporation will inevitably occur, no coral will ever be left high and dry due to evaporation influence on the main display tank.

Instead water evaporates and can be topped up discretely in the sump underneath. Another major advantage with a sump tank is that water changes, dosing and water testing can be carried out there too, so the livestock in the main display tank above remain undisturbed.

NOTE: *To avoid your sump pumps running dry, and in order for salinity to be stable, marine sumps must be regularly topped-up with reverse osmosis or deionised water to compensate for freshwater lost through evaporation. Every eaReefPro aquarium comes complete with a built in reservoir chamber for RO/DI water in the sump. Evolution Aqua recommend that all eaReefPro sumps are fitted with a reputable brand of Auto Top Up device, not supplied.*

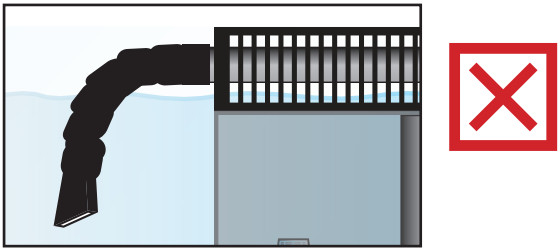
HOW THE AQUARIUM WORKS

WHAT HAPPENS WHEN THE POWER GOES OFF?

When power goes off, water flow to the main display tank stops. Main tank water will back-syphon down the flare nozzle(s) and narrow inlet tube until the syphon is broken by the flare nozzle drawing in air. This will usually happen within a few seconds power going off. Water level in the sump will raise by the amount of water which was in the weir, pipework and back-syphoned from the main tank above.

Every eaReefPro sump has been extensively tested and designed not to flood when the adjustable weir plates are at their lowest setting, and the flare nozzles are near horizontal. Adjustable height baffles are an advanced reefkeeper feature which users adjust and set at their own risk. If in doubt leave them at their lowest setting.

Non-return valves are also available from specialist outlets (not supplied)



WARNING

Improper use of the flare nozzles by extending them, or pointing them down to their lowest position, will cause back-syphoning to that point in the event of a power cut, and may cause the sump to overflow. Test the flooding potential of final baffle height and flare nozzle positions immediately after set-up.

INSTALLATION

Build your eaReefPro aquaFrame cabinet using the assembly instructions provided.

PLEASE NOTE: Your finished aquarium should be away from doors and radiators, out of direct sunlight and near to, but not directly over, power sockets.

POSITIONING THE CABINET

One litre of water weighs one kilogram (1kg) so your furnished aquarium with sump will weigh at least as much in kilograms as its total volume in litres.

THE CABINET MUST BE PLACED ON A STRONG, LEVEL FLOOR. ENSURE YOU HAVE ADJUSTED ALL THE CABINET FEET TO ENSURE THE CABINET AND AQUARIUM ARE COMPLETELY LEVEL AS SHOWN IN THE CABINET ASSEMBLY INSTRUCTION MANUAL.

INSTALLING THE SUMP

The sump comes fitted with protective mat. Do not remove this mat. The skimmer chamber should be on the left hand side as you look into the cabinet. Be careful not to touch the metal cabinet hinges with the glass sump as damage may occur. Push the sump to the back of the cabinet and centre it within the space left to right.

INSTALLING THE TANK

Using a minimum of two people for the eaReefPro600sCube and 900, four people for the 1200 and 1500, and six people for the 1800, place the aquarium slowly onto the cabinet top, ensuring that the protective base mat is sandwiched between cabinet top and tank base. The rear corners of the aquarium should exactly line up with the rear corners of the cabinet. The sides should also exactly line up, producing a smooth line. The aquarium should protrude over the front of the cabinet top, but align with the cabinet perimeter when the cabinet doors are closed.

ADJUSTING THE CABINET DOORS

NOTE: ONLY ADJUST DOORS AT THE END OF THE INSTALLATION AND WHEN THE TANK IS FILLED WITH WATER.

The soft-close hinges have two points of adjustment. If necessary, adjust them until the door(s) are level, with an even gap, and close without any obstruction.
The push-openers can also be adjusted by twisting them in or out, by hand.

EA REEF PRO 1800 MODELS

Place the separate auto-top up reservoir in the end cupboard on the left of the sump chamber.

INSTALLATION

ADJUSTING THE CABINET DOORS

NOTE – Only adjust doors at the end of the installation and when the tank is filled with water.

There are three points of adjustment on each hinge.

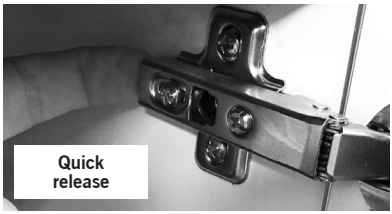
1. Height.
The cabinet doors can be height adjusted marginally with the screws as shown. Loosen the screws on both hinges and the door will drop down. Lift door and tighten screws and the door will raise, and stay in position.

2. Front to back.
The door can be brought forward by loosening the screw as shown. Pull door out or push in and tighten screw to hold position.

3. Left to right.
Adjustment of the screw as shown will enable left and right alignment of the door, and adjustment of both hinges on the door this way can square up, and will affect the gap between each door when closed.

Quick release

Hinges are quick release. Push the button at the back of the hinge to release the door, without having to undo the screws.



INSTALLATION

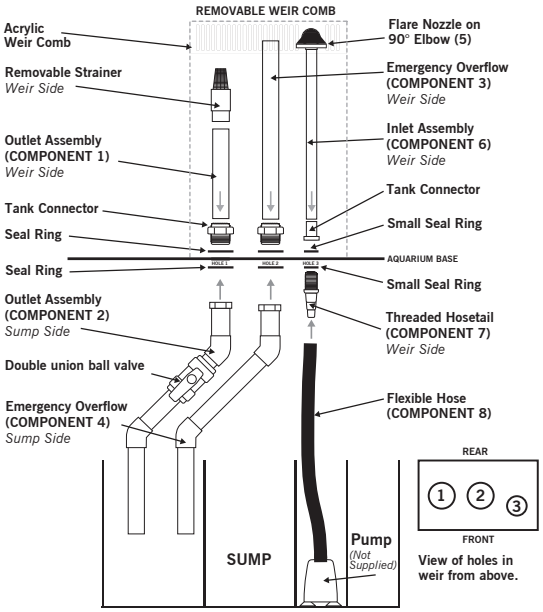
FITTING THE PIPEWORK

Your eaReefPro comes with eight pipework components and is designed to be easy to install, with no silicone sealant or tools necessary.

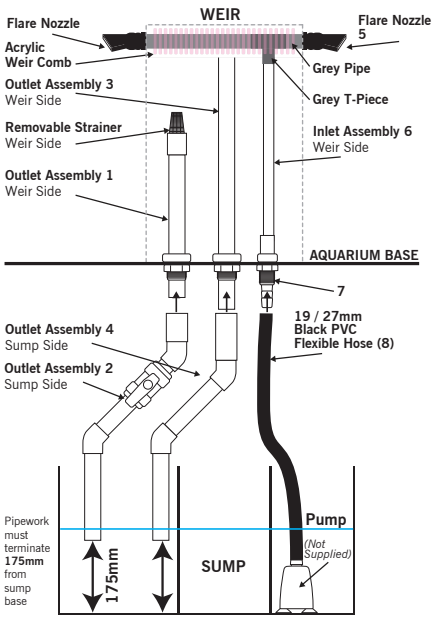
DO NOT SOLVENT WELD THE BLACK FITTINGS AS THIS WILL PREVENT REMOVAL OF THE BLACK ACRYLIC GRILL.

NOTE FAILURE TO PROPERLY TIGHTEN THE TANK CONNECTORS MAY CAUSE LEAKAGE FROM THE TANK WEIR BASE

Your eaReefPro can be configured with either a single or twin flare nozzle assembly. Single and twin flare nozzles assemblies, and single and twin hole weir combs can also be purchased separately.

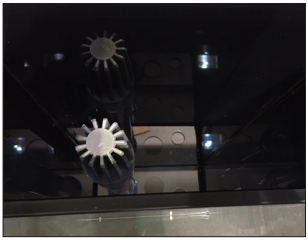


EA REEF PRO
SINGLE OUTLET PIPEWORK

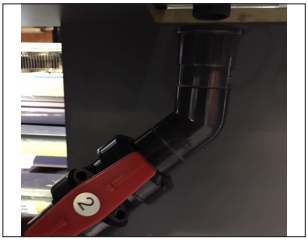


EA REEF PRO
TWIN OUTLET PIPEWORK

STEP-BY-STEP PIPEWORK INSTALLATION



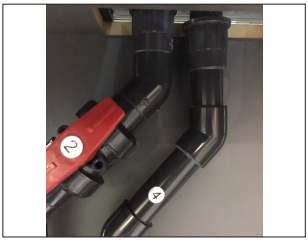
1. Remove blue tape from thread on Component 1 and place into hole 1 inside weir. Ensure rubber sealing ring is in place



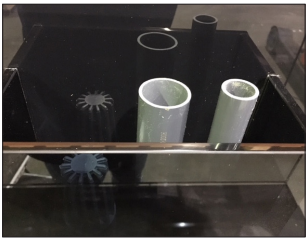
2. Remove wrapping from Component 2 and place under component 1 (hole 1) in the cabinet. Ensure rubber o ring is in place on Component 2

3. Using two people, twist component 1 clockwise in the weir until hand tight. It should connect with component 2 underneath, and join together

4. Remove blue tape from Component 3 and place into hole 2 inside the weir. Ensure sealing sealing ring is in place.



5. Remove wrapping from Component 4 and place over Component 3 thread, in the cabinet. Ensure O ring is present on Component 4. Twist Component 3 clockwise until hand tight, and connected through the weir to Component 4.



6. Remove blue tape from Component 6 and place into hole 3 inside the weir.

7. Remove the wrapping from Component 7 and place over the thread of Component 6 in the cabinet.

8. Turn Component 6 clockwise in the weir until hand tight and connected to Component 7

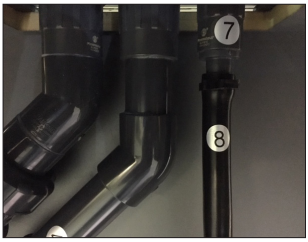
9. Place weir comb onto weir

10. Unscrew the flare nozzle(s) from Component 5 and place onto the top of Component 6.

11. Push down firmly until outlets are in line with weir comb hole(s)

12. Screw in flare nozzle assembly(s). Do not glue as they must be removable.

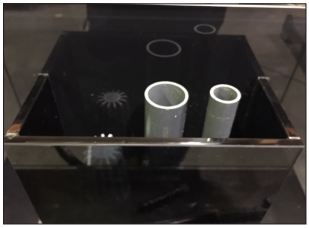
STEP-BY-STEP PIPEWORK INSTALLATION



13. Place Component 8 hose over the hose tail on component 7 in the sump. Connect the other end to the pump (not supplied,) in chamber 3 of the sump.

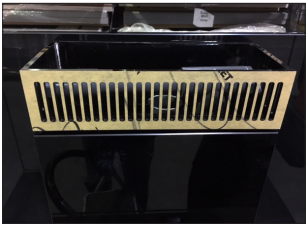
UPGRADING FROM A SINGLE TO A TWIN FLARE NOZZLE ASSEMBLY

1. Unscrew single flare nozzle



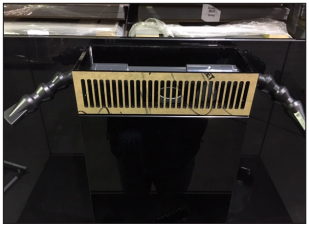
2. Remove 90 degree elbow

3. Unscrew the two flare nozzles from the grey T piece



4. Push down firmly the grey T piece onto component 6

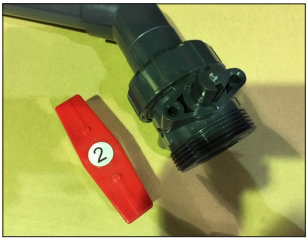
5. Place twin hole weir comb onto weir



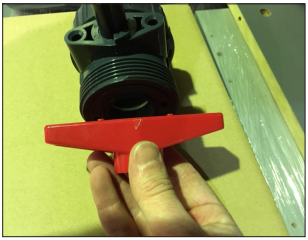
6. Screw in flare nozzles to left and right of T piece by hand.
DO NOT GLUE.

ADJUSTING BALL VALVE

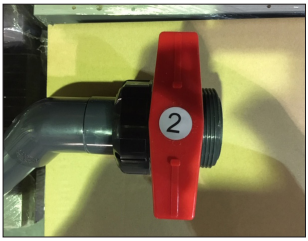
1. Undo collar on union of double ball valve (component 2,) and remove.



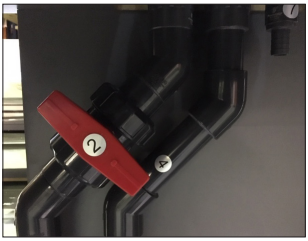
2. Pull off red handle.



3. Place top side of red handle into rectangular openings on ball valve and turn anti-clockwise to loosen.



4. Replace red handle on top of valve.



5. Do-up collar on ball valve, component 2.

6. Turn handle to adjust down-flow.

COMPLETING THE INSTALLATION

We recommend cleaning the aquarium and sump at this stage and to vacuum out any bits of silicone or debris that may be there. Be careful not to scratch the glass.

NEVER ATTEMPT TO CLEAN THE AQUARIUM WITH A SHARP, BLADE-LIKE OBJECT AS THIS MAY DAMAGE THE SILICONE BOND AND SCRATCH THE TANK AND INVALIDATE THE WARRANTY.

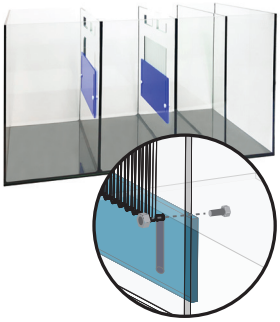
SUMP - FITTING ADJUSTABLE BAFFLE PLATES

Using the four plastic screws and nuts provided simply fit the adjustable baffles into position and thread the screws through the open sections in the baffle plates and tighten the nut on the opposite side. The plates can be fitted to either side of the glass dividers.

Level the plate by adjusting screws and retighten when happy.

Unscrew and re-screw the nuts to vary the baffle plate heights.

HAND TIGHTEN ONLY - Never use tools



A spare nut and bolt is provided.

SUMP PIPEWORK

Components 2 and 4 have been supplied to be long enough to ensure perfect “Herbie” style operation and water return to sump.

If wanting to use filter sock holders or roller filters for mechanical filtration, modifications can be made at the owner’s own risk. If sourcing alternative or extra pipework the sizes are as follows:

Hole 1 and 2 diameter in weir 42mm

Hole 3 diameter in weir 28mm

Components 1,2,3 and 4, 40mm outside diameter, metric pipework

Component 6, 25mm outside diameter, metric pipework

Component 2 can be disassembled at two locations on the double union ball valve

Ensure that the double union ball valve is hand tight, with both o rings in place, to prevent leaks.

EQUIPMENT

Your eaReefPro aquarium, sump and cabinet comes supplied without any equipment, so that you can fit your own personal choice of lighting, filtration and pumps to power your reef tank. For extra help with this please contact your marine specialist retailer.

SETTING THE WEIR RUNNING HEIGHT

STEP 1 - Ensure that main tank and sump are filled with water.

STEP 2 - Turn red handle on ball valve to fully open.

STEP 3 - Turn on sump pump.

STEP 4 - Start to close ball valve by turning red handle in small increments.

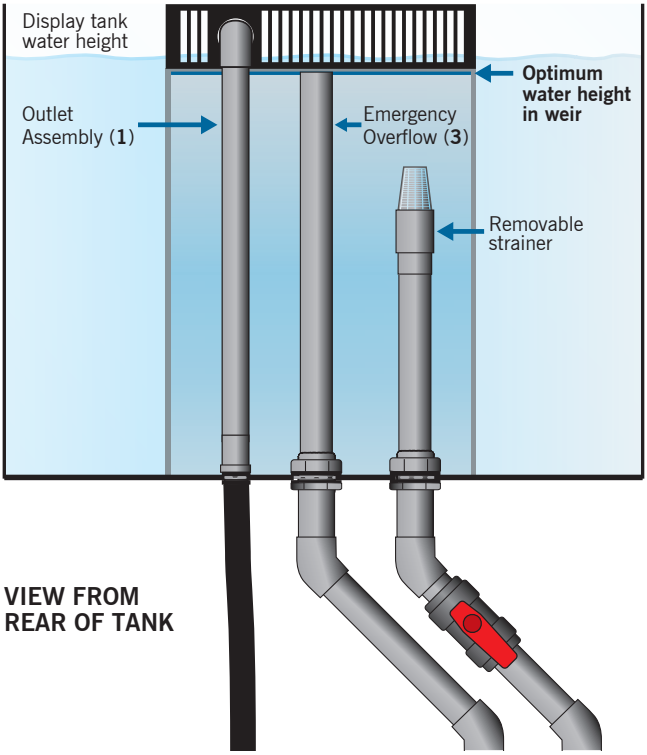
STEP 5 - Water level in back of weir will start to rise and overflow into the emergency overflow pipe (component 3).

STEP 6 - Open and close ball valve in tiny increments until weir water level is just in line with the top of the emergency overflow pipe (component 3).

STEP 7 - Over the next hours and days make small adjustment to ball valve to get the system running almost silently. A DC controllable sump pump may also help to get the water level adjustment in the weir just right (not supplied).

For more information on “Herbie” style overflow and how to regulate them, here is a useful webpage: http://gmacreef.com/herbie-overflow-reef-tank-plumbing-method-basics

The weir overflow will work at its optimum performance when the water level is at the top during normal operation, with a slight trickle going down the **Emergency Overflow (3)**. This is a better method than trying to perfectly adjust the valve to match the return pump flow.



USING THE ADJUSTABLE BAFFLES

Most closed reef systems employ the use of a protein skimmer in their sumps. Every protein skimmer manufacturer, and model, recommend a different optimum water height for it to run in, which may cause problems with conventional fixed baffle glass sumps.

One way is for the manufacturer or tank builder to take an average sump running height of say 200mm, but with recommendations varying between 150mm and 250mm or more, for some makes and models this average can be far from ideal.

eaReefPro and eaReefPro Sumps employ a clever system of moveable height baffles, enabling the user to set the baffle height in the sump to exactly what their skimmer model needs for best performance. By employing the same methodology in the second sump chamber, water level can be raised there too, to best accommodate filters, reactors or algae refugiums, and raised either single or in tandem, the water volume in the sump can be increased and set by the user.

Adjusting the height

To raise the adjustable baffles simply slide them up, firmly, by hand. To make sure they stay in place simply tighten the plastic nuts and bolts by hand. Don't overtighten as they will break. To lower the baffles simply slide them down and again tighten the nuts and bolts.

Left or right?

Every eaReefPro Sump comes complete with two blue acrylic baffles and these can be fitted either on the left or right of the glass partitions.

What height to set it at?

The eaReefPro Sump is designed so that at its lowest setting, water depth in the (first) skimmer chamber will be 190mm. Vertical height adjustment from 190-250mm water depth should accommodate every sump based, home aquarium protein skimmer on the market, and skimmer manufacturers should state the optimum water depth in their literature. The right water level will mean the skimmer can produce the maximum amount of bubbles for the least effort, meaning more efficient skimming.

When is a baffle too high?

Baffle height adjustment is an advanced reefkeeping feature, a certain amount of experience, knowledge and common sense is assumed by the user. If the baffles are moved up to their highest position and a high water flow-through is used water may back up, risking flooding.

If both baffles are operated at their highest position and large sump based skimmers and reactors are used, the system must first be power-cut tested, to ensure it won't flood. Not only will the sump be holding more water before the power-cut, it will then also receive more water from the weir above, and from the skimmer and reactor bodies as they empty.

All users should fully flood test their sumps by turning off all power after any baffle height adjustment.

HOW TO GET THE BEST FROM YOUR EAREEFPRO AQUARIUM

eaReefPro aquariums are made of the highest quality components in order to combine the maximum functionality and enjoyment of owning one. To get the best from an eaReefPro aquarium you must also ensure the following:

1. PURE WATER – The aquarium should be filled, topped-up and water changed using only the finest source water, ideally purified via reverse osmosis and de-ionisation to remove nitrates, phosphates, silicates (all of which cause nuisance algae,) and Total Dissolved Solids (TDS). Monitor source water regularly to ensure that the above parameters are as close to zero as possible.

2. SALT – Evolution Aqua recommend that a good brand of premium reef quality marine salt is used in order to provide the right balance of water chemistry and trace elements. Mix new saltwater thoroughly for 24 hours before use and monitor temperature and salinity using a seawater specific refractometer.

3. PHOSPHATE – Phosphate is a major cause of nuisance algae in the marine aquarium and high levels can also retard growth of corals and coralline algae. Evolution Aqua recommend that a method of phosphate control is used at all times, ideally using a reactor for maximum effectiveness.

4. EVAPORATION – Water loss through evaporation is the enemy of saltwater aquariums as pure water is evaporated off and pollutants, and most importantly salt, are left behind to build up to dangerous levels. Every eaReefPro aquarium must be regularly topped up with RO or DI water to prevent the pump chamber inside the sump from running dry. A high quality automatic top up device is recommended to keep water level and salinity at an optimum and stable level at all times. ***DO NOT LET YOUR PUMP RUN DRY!***

5. WATER FLOW – All corals need an adequate flow of water to bring them their food and wash away their waste. Evolution Aqua recommend a broad, controllable flow of water from a flow pump(s) (not supplied) which will turn over the main display tank nett volume 40 times per hour or more, in average reef tank conditions. Consult your specialist marine retailer for further advice. Note flow pumps are different to sump pumps, which power the filtration.

6. TEMPERATURE – High temperatures can be more the enemy of the marine aquarium than low temperatures, with excessively high water temperatures being famous the world over for causing coral “bleaching” events, where huge areas of coral reef die off. eaReefPro aquariums do not come supplied with a heater so invest wisely in a model known for its accuracy and safety shut-off capabilities or better still invest in an aquarium chiller which will control temperature and kick-in when water temperatures rise.

HOW TO GET THE BEST FROM YOUR EAREEFPRO AQUARIUM

7. CHEMISTRY – Seawater is made up of over 80 individual elements including Sodium Chloride. Each element and trace element play a vital part in keeping corals alive and must be at the correct levels at all times in the aquarium if the owner is to succeed in replicating a natural coral reef and not only keeping corals alive, but allowing them to feed and grow.

High sensitivity test kits are essential to regularly monitor water parameters and these should include pH, KH, Calcium, Magnesium as well as those for nitrate and phosphate. Advanced reef keepers may utilise many more test kits and in conjunction with buffering solutions, additives and water changes, stable chemistry will be maintained.

Tip: *to take accurate measurements you must first ensure that the salinity is correct.*

8. PURE REEF BALANCE – Use Evolution Aqua's PURE Reef Balance to maintain a biological equilibrium in your reef aquarium. Our bacterial product is a unique combination of live marine-specific bacteria and enzymes. Ground-breaking technology and a unique delivery method ensures a population of live bacteria will instantly colonise filters, substrates and decor, tank water and other internal surfaces. PURE Reef Balance gets straight to work digesting waste as well as converting ammonia and nitrite.

CLEANING ADVICE

CLEANING THE GLASS

Use a soft micro-fibre type cloth to clean the outside of the glass.

A magnetic glass cleaner can be used to clean the inside of the glass. Take care to ensure no gravel is trapped between the cleaning pads before moving it around the glass.

IMPORTANT: NEVER ATTEMPT TO CLEAN THE AQUARIUM WITH A SHARP, BLADE-LIKE OBJECT AS THIS MAY DAMAGE THE SILICONE BOND AND INVALIDATE THE WARRANTY.

IMPORTANT: IF ANY WATER IS SPILLED ONTO THE CABINET PANELS ALWAYS ENSURE THAT IT IS WIPED OFF AND DRIED IMMEDIATELY. FAILURE TO DO SO WILL INVALIDATE THE WARRANTY. DO NOT ALLOW ANY AMOUNT OF WATER TO COLLECT ON ANY PART OF THE CABINET.

HINGES MAY RUST IF SPLASHED WITH SALT WATER AND ARE NOT COVERED UNDER WARRANTY. FOR EXTRA PROTECTION FROM RUST, COVER HINGES IN SILICONE GREASE (NOT SUPPLIED).

TROUBLESHOOTING

Noise coming from the weir

Check the water level in the weir. It should be level with the top of the emergency standpipe (component 3.) If more than the tiniest trickle is overflowing down the emergency pipe a hollow noise may be caused. This can be prevented by further fine adjustment of the double union ball valve on component 2, and/or further adjustment by way of an electronically controllable sump return pump.

If the water level in the weir is half way down inside, the double union ball valve on component 2 should be closed until the water level rises back up to the top of the emergency standpipe, component 3.

The pipework configuration chosen for eareefPro is known in the international marine community as a “herbie,” and has been chosen for its ease of use, reliability, quiet operation and high flow capabilities. Once adjusted correctly it should run very quietly, and is the choice of many experts around the world.

Water dripping from the base of the weir into the cabinet

If there are any drips at all coming down from the weir into the cabinet or sump, the components and their tank connectors have not been done up sufficiently.

Ensure that there is a rubber washer on each side of the glass, around all three weir holes.

Tighten by rotating pipework clockwise by hand. Two people may be necessary – one securing pipework in the sump area and one turning pipework clockwise, above, in the weir area of the main display tank.

Note no tools or silicone sealant are necessary at all. Over-tightening using tools may crack the tank connectors or the tank glass.

Water is syphoning from the top-up reservoir into the main sump area

The only way that this can occur is if an automatic top-up device is fitted by the user, and the top-up hose placed too low down in the sump. The hose exit must always be fastened higher than the top-up pump, and out of and above the main sump water.

Water overflows from the sump when the power goes off.

If this occurs the user has either overfilled the sump past its recommended running level (the height of the baffles) or extra extensions have been fitted to the inlets in the main tank above. Practice turning the power on and off when the system is first installed to make sure that this does not occur.

WARRANTY

Evolution Aqua warrants your product against defects in materials and workmanship for a period of 12 months, valid from the date of original purchase and will repair this product free of charge **(not including shipping costs)** with new / rebuilt parts.

The guarantee **DOES NOT APPLY** in case of improper use, negligence, lack of maintenance or accidental damage to the aquarium or cabinet. Damage to the aquarium glass is not included in the warranty. Damage to the silicone caused by incorrect cleaning, such as using a sharp object to clean the glass, will also invalidate the warranty.

The pre-condition for the warranty is that the stipulated set-up routine is observed.
In the event that a problem develops with this product during or after the warranty period, contact the retailer from whom you originally purchased the item from. The retailer will then liase with Evolution Aqua Ltd to organise for the warranty procedure to be undertaken.

The warranty is extended only to the original purchaser.

Proof of date of purchase will be required before any warranty work can be carried out.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use. It does not cover damage which occurs in shipment or failures which result from misuse, abuse, neglect, improper installation, operation, mishandling, misapplication, alteration, modification or service by anyone other than an authorised Evolution Aqua dealer.

The cabinet decorative panels are not waterproof and it is important to ensure that any water that is spilled onto the panels is wiped off and dried immediately. Failure to do so will invalidate the warranty. Do not allow any amount of water to collect on any part of the cabinet. Any sort of water damage on the cabinet is not covered under warranty.

Evolution Aqua shall not be liable for incidental or consequential damages resulting from the use of this product, or arising out of any breach of this warranty. All express and implied warranties, including the warranties of saleability and fitness for particular purpose, are limited to the applicable warranty period set forth above.

The installation and use of your product outside of our recommendations as printed in this manual may also void the warranty.

These statements do not affect the statutory rights of the consumer.

DISPOSAL OF YOUR OLD PRODUCT

Your product is designed and manufactured with high quality material and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC. Please contact your local authority about correct disposal for electrical and electronic equipment. Our WEE Registration Number is WEE/FE1471RR.

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.

eaReefPro

REGISTER YOUR 1 YEAR WARRANTY COVER, COMPLETE THIS FORM & SEND IT TO US TODAY.

Your eaReefPro aquarium comes with a 1 year warranty (valid from date of purchase). To register your warranty simply complete the information below and return this form to us by post, email or fax.

Complete this form, cut it out and return it using one of the following methods:

Post this in an envelope to:
Evolution House,
Kellet Close, Wigan,
Lancashire, United Kingdom,
WN5 0LP

Scan and email this form to:
marketing@evolutionaqua.com

Fax a copy of this form to:
+44 (0) 1942 418 489

Your Name:

Your Address:

Postcode:

Country:

Tel Nº:

Mobile Nº:

Email:

Purchased From:

Date of Purchase: / /

Model of eaReefPro:

Colour of cabinet:

I have read and accept the terms and conditions listed in the warranty card, and understand the obligations of the Customer under this warranty.

Signature: Date: / /

Evolution Aqua Ltd. may contact you in the future with product updates or offers, which may be of interest to you.
If you do not wish to receive this information please tick this box. ☐

WARRANTY CARD

EVOLUTION AQUA
INNOVATION IN WATER

ea ReefPro

WARRANTY CARD

WARRANTY PROVISIONS

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The installation and use of your product outside of our recommendations as printed in this manual may also void the warranty. These statements do not affect the statutory rights of the consumer.

**REGISTER YOUR 1 YEAR WARRANTY COVER,
COMPLETE THE FORM ON THE REVERSE OF THIS PAGE
OR GO TO www.evolutionaqua.com
AND COMPLETE ONLINE.**

WARRANTIES - EVOLUTION AQUA - KELLET CLOSE - WIGAN - LANCASHIRE - WN5 0LP - TEL: 01942 216554

eaReefPro

EVOLUTION AQUA
INNOVATION IN WATER

QUALITY CONTROL CHECKLIST

1800S (tick) ☐	**1500S** (tick) ☐	**1200S** (tick) ☐	**900S** (tick) ☐	**600SCUBE** (tick) ☐

CABINET COLOUR write:	

PARTS	eaReefPro 600SCUBE	eaReefPro 900S	eaReefPro 1200S	eaReefPro 1500S	eaReefPro 1800S	QTY PICKED
Aquarium and Sump (*Reservoir tank on 1800)	1	1	1	1	1	
AquaFrame Cabinet	1	1	1	1	1	
Inlet and outlet assemblies	1 Bundle Pack	1 Bundle Pack	1 Bundle Pack	1 Bundle Pack	1 Bundle Pack	
Flexible hose	1	1	1	1	1	
Installation Manual	1	1	1	1	1	

CHECKLIST	CHECKED BY
All component parts included / checked as above	
Aquarium glass thoroughly inspected	
Stickers applied	

SIGNED	DATE