

UK
English

EVOLUTION
AQUA
INNOVATION IN WATER

eaReef

INSTALLATION AND INSTRUCTION MANUAL FOR
eaReef 1500S / 1200S / 900S / 600S / 600CubeS / 450S Aquariums

IMPORTANT

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

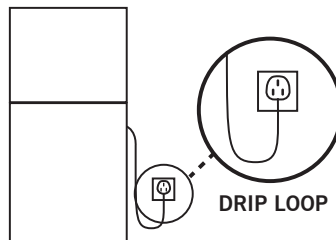
PLEASE READ all of the instruction manual before attempting to set-up your new eaReef Aquarium

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.

INTRODUCTION

Congratulations on purchasing an Evolution Aqua aquarium. Evolution Aqua are global leaders in pond and aquarium innovation, and manufacture all their aquariums in their purpose-built factory in the UK.

The eaReef aquarium range has been designed for marine keepers 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 come pre-built from the highest quality materials, ready to be installed and equipped at your convenience.

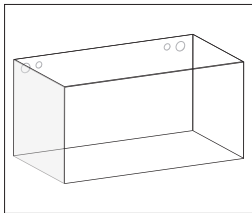
Please read this manual carefully before setting up your new eaReef aquarium.

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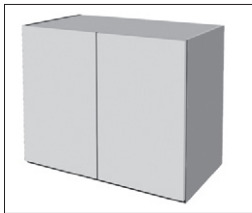
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eaREEF PARTS LIST

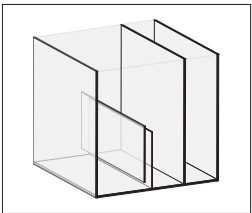
Your eaReef Aquarium comes complete with the following items:



1) eaReef aquarium



2) eaCabinet

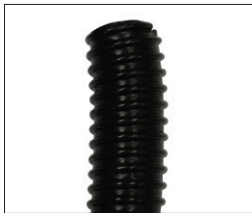


3) Sump



4) 3/4" (19mm)
inlet hose (1.5m)

Qty x 1: 450S / 600S
Qty x 2: 600CubeS / 900S / 1200S / 1500S

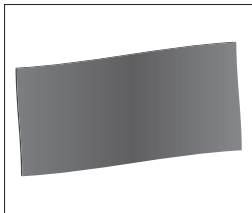


5) 1 1/4" (32mm)
outlet hose (1.5m)

Qty x 1: 450S / 600S
Qty x 2: 600CubeS / 900S / 1200S / 1500S



6) 25g tube silicone



7) Mat(s)



8) Inlet assembly

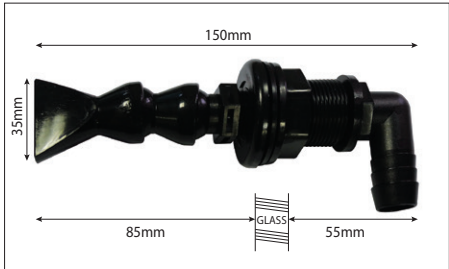
Qty x 1: 450S / 600S
Qty x 2: 600CubeS / 900S / 1200S / 1500S



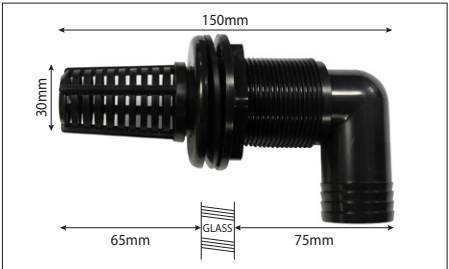
9) 1" slip outlet
assembly

Qty x 1: 450S / 600S
Qty x 2: 600CubeS / 900S / 1200S / 1500S

Inlet assembly dimensions

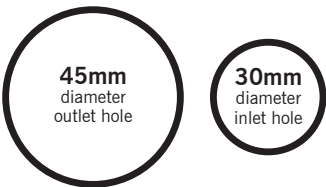
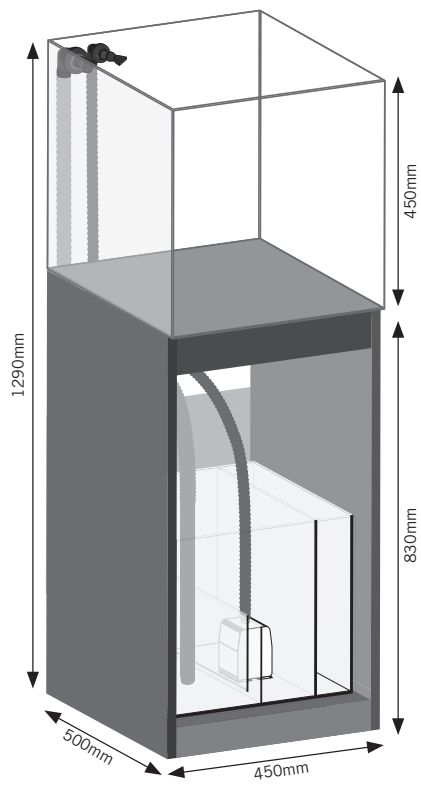


Outlet assembly dimensions



SPECIFICATIONS AND DIMENSIONS

eaReef450S



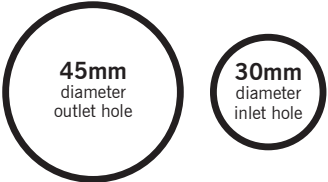
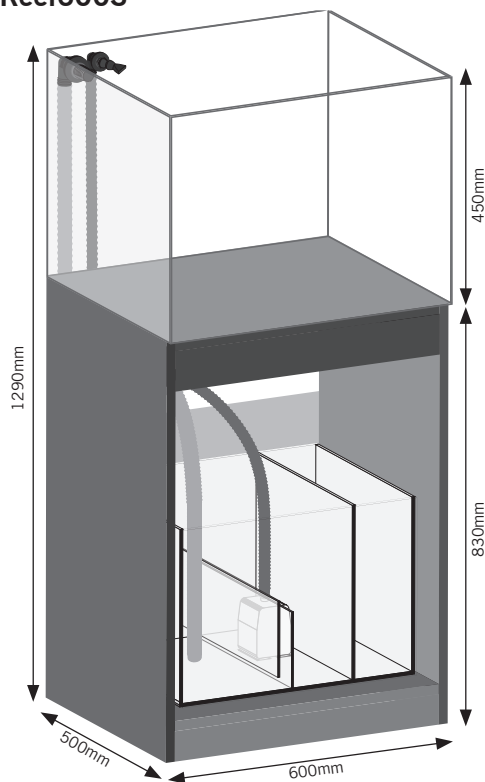
Dimensions of the drilled inlet / outlet holes

*PUMPS NOT INCLUDED

SPECIFICATION	eaReef450S
Aquarium dimensions	450mm (L) x 500mm (W) x 450mm (H)
Sump dimensions	380mm (L) x 400mm (W) x 350mm (H)
Cabinet dimensions	450mm (L) x 500mm (W) x 830mm (H)
Total system volume (Nett)	101 Litres / 22 Gallons
Display tank volume (Nett)	84 Litres
Sump running volume (Nett)	17 Litres
Sump top-up reservoir volume	9.16 Litres
Sump water height	150mm
Skimmer chamber internal dimensions	148mm (l) x 386mm (w)
Pump chamber internal dimensions	110mm (l) x 386mm (w)
Reactor / refugium chamber internal dimensions	N/A
Top up chamber internal dimensions	69mm (l) x 386mm (w) x 344mm (h)
Recommended pump flow rate (not supplied)	1,000 Litres per hour
Aquarium specifications	8mm glass all sides, cerium polished, low-iron glass on four sides

SPECIFICATIONS

eaReef600S



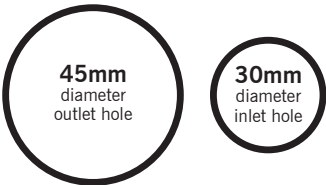
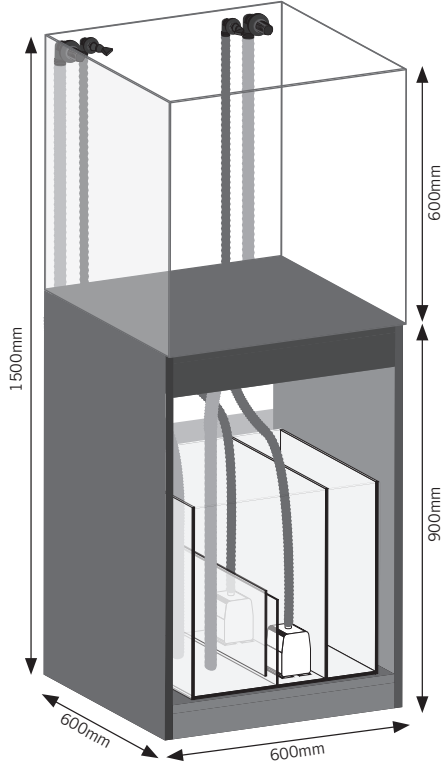
Dimensions of the drilled inlet / outlet holes

*PUMPS NOT INCLUDED

SPECIFICATION	eaReef600S
Aquarium dimensions	600mm (L) x 500mm (W) x 450mm (H)
Sump dimensions	500mm (L) x 400mm (W) x 350mm (H)
Cabinet dimensions	600mm (L) x 500mm (W) x 830mm (H)
Total system volume (Nett)	167 Litres / 37 Gallons
Display tank volume (Nett)	146.2 Litres
Sump running volume (Nett)	20.8 Litres
Sump top-up reservoir volume	15.9 Litres
Sump water height	150mm
Skimmer chamber internal dimensions	202mm (l) x 386mm (w)
Pump chamber internal dimensions	125mm (l) x 386mm (w)
Reactor / refugium chamber internal dimensions	N/A
Top up chamber internal dimensions	120mm (l) x 386mm (w) x 344mm (h)
Recommended pump flow rate (not supplied)	1,000 Litres per hour
Aquarium specifications	8mm glass all sides, cerium polished, low-iron glass on four sides

SPECIFICATIONS

eaReef600CubeS



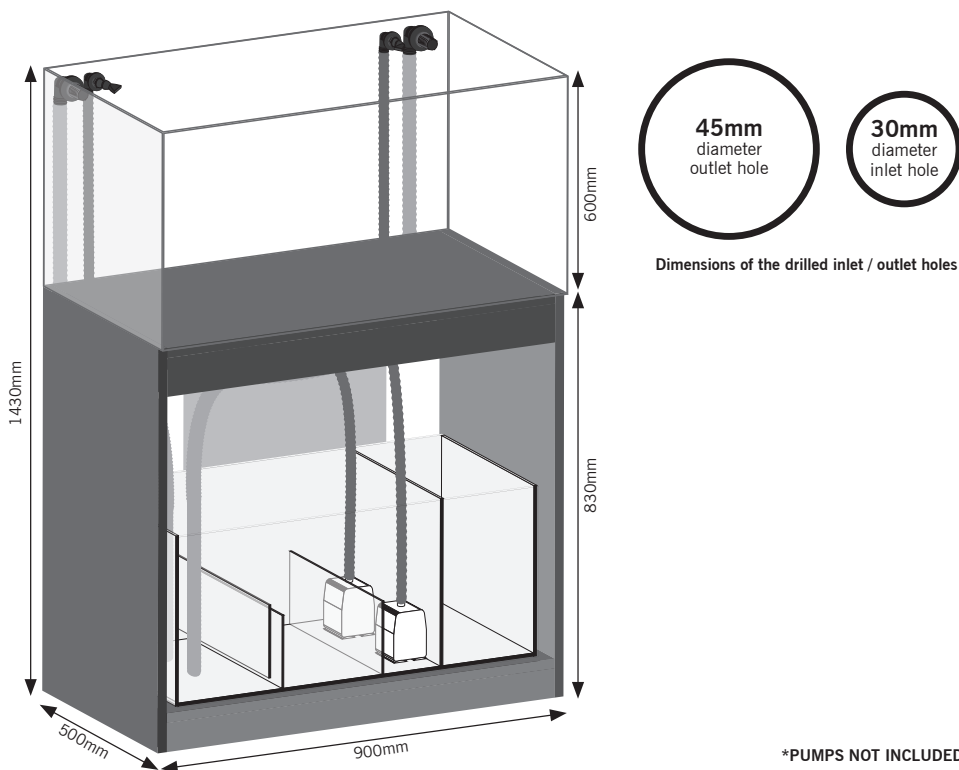
Dimensions of the drilled inlet / outlet holes

*PUMPS NOT INCLUDED

SPECIFICATION	eaReef600CubeS
Aquarium dimensions	600mm (L) x 600mm (W) x 600mm (H)
Sump dimensions	470mm (L) x 470mm (W) x 350mm (H)
Cabinet dimensions	600mm (L) x 600mm (W) x 900mm (H)
Total system volume (Nett)	227 Litres / 50 Gallons
Display tank volume (Nett)	185.4 Litres
Sump running volume (Nett)	41.6 Litres
Sump top-up reservoir volume	24.3 Litres
Sump water height	200mm
Skimmer chamber internal dimensions	178mm (l) x 456mm (w)
Pump chamber internal dimensions	119mm (l) x 456mm (w)
Reactor / refugium chamber internal dimensions	N/A
Top up chamber internal dimensions	120mm (l) x 456mm (w) x 444mm (h)
Recommended pump flow rate (not supplied)	2 x 1,000 Litres per hour
Aquarium specifications	10mm glass all sides, cerium polished, low-iron glass on four sides

SPECIFICATIONS

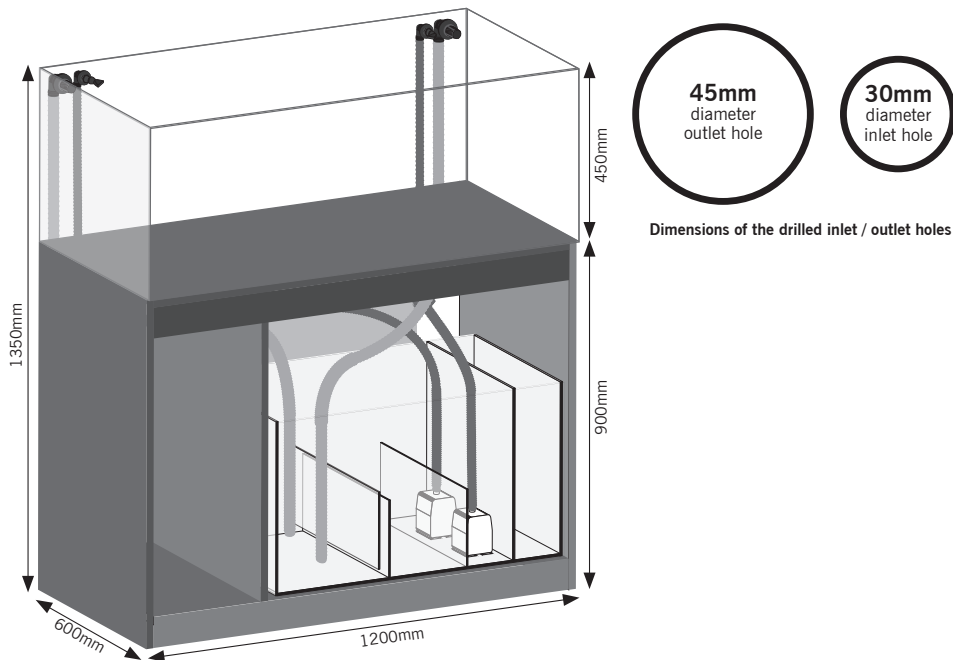
eaReef900S



SPECIFICATION	eaReef900S
Aquarium dimensions	900mm (L) x 500mm (W) x 450mm (H)
Sump dimensions	800mm (L) x 400mm (W) x 350mm (H)
Cabinet dimensions	900mm (L) x 500mm (W) x 830mm (H)
Total system volume (Nett)	202 Litres / 44.5 Gallons
Display tank volume (Nett)	168.4 Litres
Sump running volume (Nett)	33.6 Litres
Sump top-up reservoir volume	26.6 Litres
Sump water height	150mm
Skimmer chamber internal dimensions	200mm (l) x 386mm (w)
Pump chamber internal dimensions	125mm (l) x 386mm (w)
Reactor / refugium chamber internal dimensions	218mm (l) x 386mm (w)
Top up chamber internal dimensions	200mm (l) x 386mm (w) x 344mm (h)
Recommended pump flow rate (not supplied)	2 x 1,000 Litres per hour
Aquarium specifications	10mm glass all sides, cerium polished, low-iron glass on four sides

SPECIFICATIONS

eaReef1200S

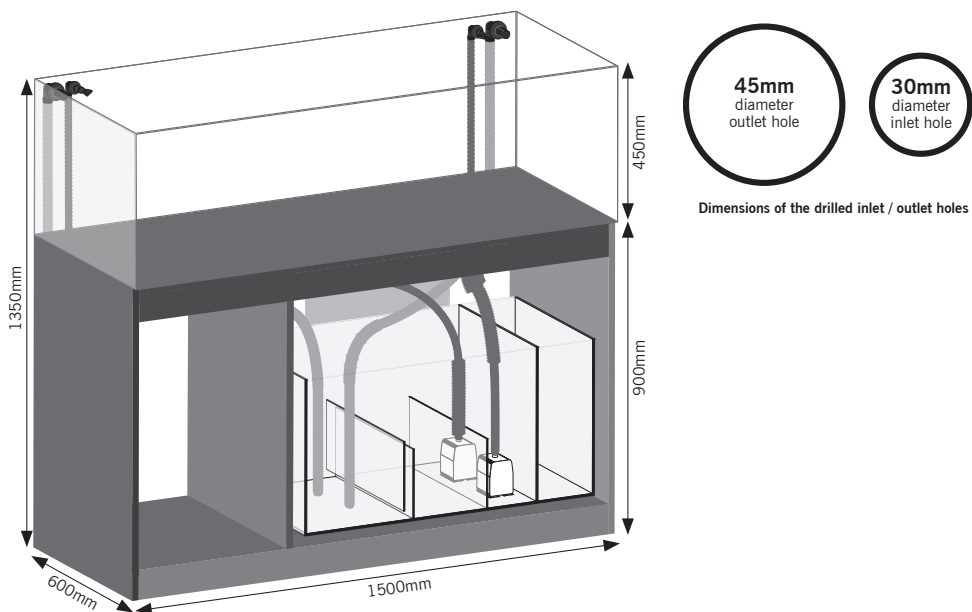


*PUMPS NOT INCLUDED

SPECIFICATION	eaReef1200S
Aquarium dimensions	1200mm (L) x 600mm (W) x 450mm (H)
Sump dimensions	800mm (L) x 470mm (W) x 450mm (H)
Cabinet dimensions	1200mm (L) x 600mm (W) x 900mm (H)
Total system volume (Nett)	332 Litres / 73 Gallons
Display tank volume (Nett)	272.3 Litres
Sump running volume (Nett)	59.7 Litres
Sump top-up reservoir volume	25.3 Litres
Sump water height	200mm
Skimmer chamber internal dimensions	280mm (l) x 456mm (w)
Pump chamber internal dimensions	125mm (l) x 456mm (w)
Reactor / refugium chamber internal dimensions	213mm (l) x 456mm (w)
Top up chamber internal dimensions	125mm (l) x 456mm (w) x 444mm (h)
Recommended pump flow rate (not supplied)	2 x 2,000 Litres per hour
Aquarium specifications	10mm glass all sides, cerium polished, low-iron glass on four sides

SPECIFICATIONS

eaReef1500S



*PUMPS NOT INCLUDED

SPECIFICATION	eaReef1500S
Aquarium dimensions	1500mm (L) x 600mm (W) x 450mm (H)
Sump dimensions	900mm (L) x 470mm (W) x 450mm (H)
Cabinet dimensions	1500mm (L) x 600mm (W) x 900mm (H)
Total system volume (Nett)	403 Litres / 89 Gallons
Display tank volume (Nett)	338.1 Litres
Sump running volume (Nett)	64.9 Litres
Sump top-up reservoir volume	34 Litres
Sump water height	200mm
Skimmer chamber internal dimensions	300mm (l) x 456mm (w)
Pump chamber internal dimensions	150mm (l) x 456mm (w)
Reactor / refugium chamber internal dimensions	225mm (l) x 456mm (w)
Top up chamber internal dimensions	168mm (l) x 456mm (w) x 444mm (h)
Recommended pump flow rate (not supplied)	2 x 2,500 Litres per hour
Aquarium specifications	12mm glass all sides, cerium polished, low-iron glass on four sides

HOW THE AQUARIUM WORKS

The **eaReef** consists of two aquariums – the main display tank on top of the cabinet, and the sump tank below, inside the cabinet. 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 vital 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 slowing down 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 underneath.

CONNECTED TOGETHER

The two tanks are connected by pipework, to take system water to and from the main display tank. Water is pumped into the main display tank from the sump via the inlet(s) fitted to the back of the tank, and drains from the main display tank, through the outlets, back into the sump where it can be filtered, heated and then returned. Water is circulated constantly, and the height of the outlets in the main tank set a permanent water height. The advantage of this is that even though evaporation will inevitably occur, no coral will ever get left high and dry from a lowering of the water level.

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 done there too, so the fish in the 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 eaReef tank comes complete with a built in reservoir chamber for RO/DI water in the sump.

WHAT HAPPENS WHEN THE POWER GOES OFF?

When power goes off, flow to the main display tank stops. Every eaReef has been engineered and extensively tested to make sure that it doesn't overflow the sump tank in the event of a powercut. Because of where the inlets and outlets are placed in the main display tank, any residual draining or back-syphoning down the pipework in the event of power loss will be contained within the sump underneath. The majority of the water is still held in the main display tank, and when the power comes back on, the pumps take the water level in both sump and main display tank back to normal.

WARNING

Improper use of the inlet pipes by extending them further down into the tank may result in the sump overflowing in the event of a power cut. Over-filling of the sump, above its recommended running water level, may also risk flooding when power is lost. This will void any manufacturer's warranty.

INSTALLATION

Your eaReef cabinet comes to you pre-assembled by skilled tradesmen. First it must be positioned.

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, IDEALLY CONCRETE, AND MUST BE LEVEL BEFORE FITTING THE SUMP AND THE AQUARIUM.

SILICONE SEALED

Your eaReef cabinet has all its edges silicone sealed, along with any internal joints inside the cabinet. This has been done to minimise any water ingress into the mdf material.

INSTALLING THE SUMP

The sump can be turned to your preference, to have either the top-up reservoir on the right or left hand side. Place the mat down first, then the sump, and push it back far enough into the cabinet so that the doors don't touch it when closed.

INSTALLING THE TANK

Using a minimum of two people, place the main display tank on top of the base mat, on top of the cabinet. Align the rear corners of the aquarium with the rear corners of the tank. The aquarium is designed to float over the cabinet doors for a modern, minimalist look. Shut the cabinet doors and align the front corners of the aquarium with the front corners of the cabinet.

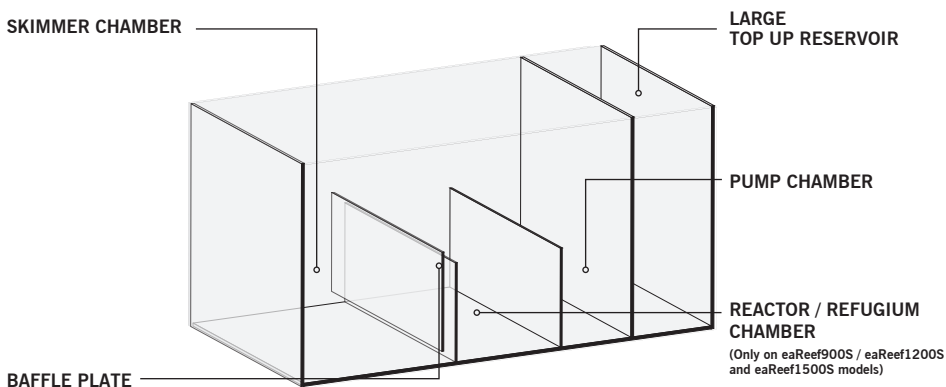


Diagram above shows the sump configuration

INSTALLATION

ADJUSTING THE CABINET DOORS

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.

FITTING THE PIPEWORK

Your eaReef comes complete with an outlet assembly and an inlet assembly. These should be fitted to the tank as shown. Larger models have two sets and the action should be repeated.

Using the silicone provided, make a small bead around the back of the bulkhead flange.

Next thread on the rubber washer and again place a bead of silicone around the back of that. Insert the bulkhead through the hole, aquarium side outwards.

Take the nut and place a small bead of silicone around it.

Screw it onto the bulkhead, now protruding out of the back of the tank. Do it up until it is hand tight. Light pressure from a wrench can also be used to create a tight, water tight fit.

Leave for 24 hours for the silicone seal to cure.

Repeat with all inlet and outlet assemblies.

COMPLETING THE INLET ASSEMBLY (See page 14 for step-by-step instructions)

Screw the pre-assembled Locline Flare nozzle, segment and connector into the tank side of the inlet. This can be hand tightened and is ready to go.

Apply some silicone to the thread of the insert elbow, and screw into the back of the bulkhead as shown. Do up tight and leave to cure for 24 hours.

COMPLETING THE OUTLET ASSEMBLY (See page 15 for step-by-step instructions)

The outlet strainer is designed to be removable for maintenance, so push it into the bulkhead by hand and it is ready to go. Do not use any sealant on this part.

The insert elbow must be glued into place using either the silicone provided, or using special solvent weld glue for plastic pipework (not provided).

Place a small bead of silicone all the way around the slip end of the elbow, and insert it into the back of the bulkhead. Twist until the threaded hosetail end points down towards the sump, and leave for 24 hours for the silicone to cure.

ATTACHING THE HOSES

The supplied inlet and outlet hoses should push onto the inlet and outlet hosetails. For an extra seal, silicone sealant can be applied around the hose and hosetail connection, and plastic hose clips (not supplied) can also be fitted.

To ease hoses onto hosetails bathe the end of the hose in hot water for 30 seconds or more. This method can also be used for easing inlet hoses onto the sump pumps (not supplied).

STEP-BY-STEP INLET ASSEMBLY INSTALLATION



1. Locate the inlet assembly.



2. Unscrew the elbow and put to one side.



3. Unscrew the nut and remove the rubber washer. Put both to one side.



4. Using the silicone provided, make a small bead around the back of the bulkhead flange.



5. Now thread on the rubber washer and again place a bead of silicone around the back of that.



6. Insert the bulkhead through the smaller hole, with the washer on the inside of the glass.



7. Take the nut and place a small bead of silicone around it.



8. Screw the nut onto the bulkhead, now protruding out of the back of the tank. Do it up until it is hand tight. Light pressure from a wrench can also be used to create a tight, water-tight fit.



9. Apply some silicone to the thread of the insert elbow.



10. Screw the elbow into the back of the bulkhead as shown. When tight, the hosetail should be facing down.



11. Apply a liberal amount of silicone onto the hosetail before offering up the inlet hose.



12. Force the inlet hose onto the hosetail. Smear the excess silicone all around the hose connection. We recommend the use of hose clips (not provided).

STEP-BY-STEP OUTLET ASSEMBLY INSTALLATION



13. Locate the outlet assembly.



14. Pull out the elbow and put to one side.



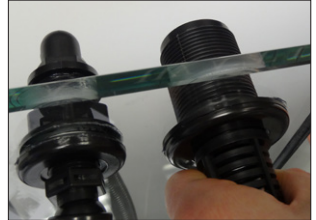
15. Unscrew the nut and remove the rubber washer. Put both to one side.



16. Using the silicone provided, make a small bead around the back of the bulkhead flange.



17. Now thread on the rubber washer and again place a bead of silicone around the back of that.



18. Insert the bulkhead through the larger hole, with the washer on the inside of the glass.



19. Take the nut and place a small bead of silicone around it.



20. Screw the nut onto the bulkhead, now protruding out of the back of the tank. Do it up until it is hand tight. Light pressure from a wrench can also be used to create a tight, water-tight fit.



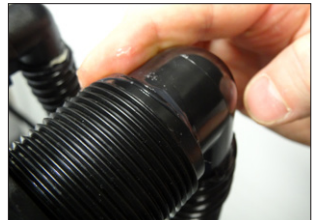
21. Apply a liberal amount of silicone onto the hosetail before offering up the outlet hose.



22. Force the outlet hose onto the hosetail. Smear the excess silicone all around the hose connection. We recommend the use of hose clips (not provided).



23. Apply a liberal amount of silicone onto the elbow before and insert it into the bulkhead. The elbow and hose should be pointing straight down.



24. Smear the excess silicone all around the elbow connection.

Repeat the procedure if there are two inlet and outlets.

Do not touch the assemblies for atleast 24 hours to allow the silicone to cure.

COMPLETING THE INSTALLATION

Once the silicone has cured, you can place the hoses inside the sump. Inlet hoses go into the third chamber and should be connected up to an appropriate sized pump. Outlet hoses go into the first chamber.

You may also need to trim the foam mat underneath the main aquarium for neatness.

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



Completed inlet and outlet assemblies

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

EQUIPMENT

Your eaReef 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.

WHAT YOU’LL NEED

Sump pump(s)

The sump pump powers the filtration system and takes water from the sump up into the main display tank. Opinions will vary on how powerful your pump should be, but Evolution Aqua recommend and have tested pumps which will turnover system volume ten times per hour or more.

Each inlet assembly should be connected to a pump delivering a maximum of 2,500lph each, at maximum stated flow. Evolution Aqua recommend pumps with adjustable flow, and those with stepped hosetails included which will fit easily onto the supplied hoses.

eaReef aquariums will therefore need the following pumps:

AQUARIUM MODEL	RECOMMENDED SUMP PUMP
eaReef450S	Qty 1 x 1,000 litres per hour
eaReef600S	Qty 1 x 1,000 litres per hour
eaReef900S	Qty 2 x 1,000 litres per hour
eaReef1200S	Qty 2 x 2,000 litres per hour
eaReef1500S	Qty 2 x 2,500 litres per hour
eaReef600CubeS	Qty 2 x 1,000 litres per hour

HOW TO GET THE BEST FROM YOUR eaREEF AQUARIUM

eaReef 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 eaReef 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 eaReef 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 sump) which will turn over the main display tank nett volume 40 times per hour or more, so the eaReef600CubeS will require a flow pump of 7416lph 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. eaReef 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 eaREEF 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.*

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.

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 liaise 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.

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.

WARRANTY CARD



eaReef

WARRANTY CARD

WARRANTY PROVISIONS

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 liaise 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.

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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.

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

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

Your eaReef 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 216562

Your Name: _____

Your Address: _____

Postcode: _____

Country: _____

Tel N°: _____

Mobile N°: _____

Email: _____

Purchased From: _____

Date of Purchase: / /

Model of eaMarine: _____

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. ☐

TROUBLESHOOTING

Outlet assemblies are noisy.

Check that the outlet strainers are not clogged up with organic matter and remove and clean if necessary.

Check that the pump flow from the sump pumps are within the recommended guidelines for your eaReef model on page 16. Pumps which are too powerful will cause noise as water will not be able to exit down the outlet assembly quickly enough, causing gurgling. Turn pumps down or fit a smaller model of sump pump to the system. Check that the original 32mm outlet pipes are still be used. Hard plumbing can be fitted to the bulkheads but 32mm internal diameter or larger is recommended.

Check where the outlet pipes enter the water in the sump, inside the cabinet. Try adjusting where the flexible pipework enters the water so that air bubbles can exit more freely, lessening noise.

Water is dripping down the back of the tank from the inlet and/or outlet assemblies

If water drips down the back of the tank from the pipework the assemblies have not been fitted correctly by the user. Ensure that the rubber flanges are on the inside of the tank and the plastic nut is on the outside. Check that the nut is tight, as this forms a water-tight seal. Check that silicone was used correctly as advised on pages 14 and 15. Silicone can be applied around all hosetails and hose fittings and left to dry to form an extra, water-tight seal.

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.

CONTACT DETAILS

Your first point of contact for enquiries regarding your aquarium should always be the retailer from whom you purchased the aquarium. Make a note of their details below:

PLACE OF PURCHASE CONTACT DETAILS

EVOLUTION AQUA CONTACT DETAILS

Evolution Aqua Ltd

Evolution House, Kellet Close
Wigan, Lancashire,
United Kingdom
WN5 0LP

t: +44 (0) 1942 216554

f: +44 (0) 1942 418489

e: info@evolutionaqua.com

w: www.evolutionaqua.com

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.



QUALITY CONTROL CHECKLIST



INNOVATION IN WATER

eaReef1500S (tick) <input type="checkbox"/>	eaReef1200S (tick) <input type="checkbox"/>	eaReef900S (tick) <input type="checkbox"/>
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eaReef600S (tick) <input type="checkbox"/>	eaReef600CubeS (tick) <input type="checkbox"/>	eaReef450S (tick) <input type="checkbox"/>
--	--	--

CABINET COLOUR write:	
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PARTS	eaReef 450S	eaReef 600S	eaReef 600CubeS	eaReef 900S	eaReef 1200S	eaReef 1500S	QTY PICKED
Aquarium	1	1	1	1	1	1	
Cabinet	1	1	1	1	1	1	
Sump	1	1	1	1	1	1	
Inlet assembly	1	1	2	2	2	2	
Outlet assembly	1	1	2	2	2	2	
Inlet hose	1	1	2	2	2	2	
Outlet hose	1	1	2	2	2	2	
Tube of silicone (25g)	1	1	1	1	1	1	
Mat	2	2	2	2	2	2	
Installation Manual	1	1	1	1	1	1	

CHECKLIST	CHECKED BY
All component parts included / checked as above	
Aquarium glass thoroughly inspected	
Aquarium water tested and checked	
Inlet / Outlet assembly water tested and checked	

SIGNED	DATE