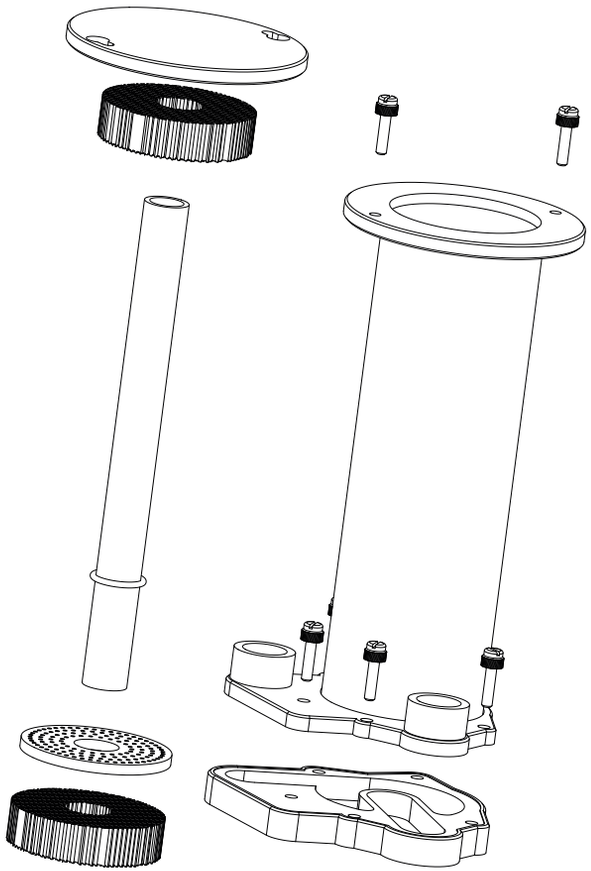
## MAINTENANCE

Ensure that the pump inlet and impellor are regularly cleaned and kept free from debris.

The Reactor itself can be emptied and the centre pipe carefully lifted out, complete with the bottom plate and nozzles.

There are two plastic screws underneath the bottom plate, which when removed, will disassemble the jets to allow for thorough cleaning. When reassembling, the screws only need to be finger tight.

All plastic parts should be cleaned with fresh water only.



## TROUBLE SHOOTING

**Q. What If clogging occurs?**

**A.** This can be down to lack of flow, please adjust the pump until you get a satisfactory flow. Check that sponges are not clogged.

**Q. I've adjusted the pump but things still don't seem correct?**

**A.** Be carefull not to add/use to much media, the pump supplied is sufficently strong enough to adequately run this reactor, if you are finding it not powerful enough you have probably added a little too much media.

iquatics

Bio Phos
Reactor


CUSTOMER SUPPORT
01538 542070
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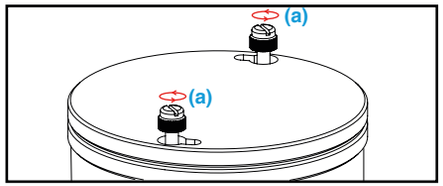
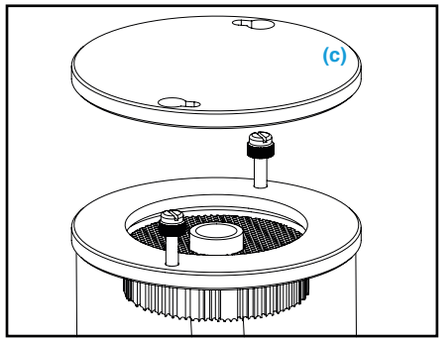
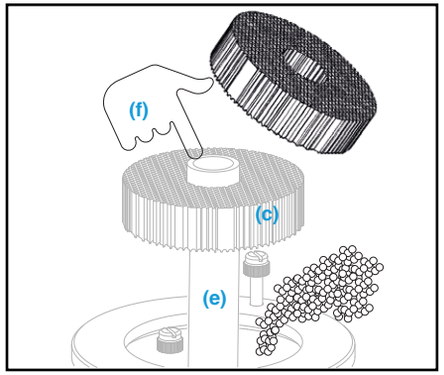
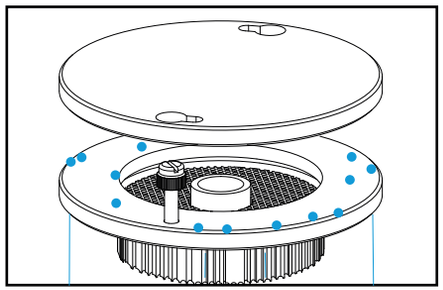
**TIP** Use caution when screwing sections together, Hand tighten screw do not use a screwdriver.



## Package Contents

iQuatics Bio Phos Reactor
1 x Pump Connector
1 x SICCE Syncra 1.0 Silent Pump *(If ordered with reactor from iQuatics)*

## Step 1

Loosen by hand, **(do not remove)** the 2 lid retaining screws at the top of the Gyractor **(a)** and remove the lid **(b)**, by slightly rotating the lid and lifting up.

Lift up the clear inner tube to access the blue filter sponge **(c)**.

Lift out the top blue filter sponge **(d)** to gain access to the main cavity.

## Step 2

Place the desired quantity of Bio Phos 80 into the main body of the reactor, being careful not to allow any to fall down the centre feed pipe. **(e)**

It's a good idea to block this pipe with your finger or a piece of kitchen paper. **(f)**

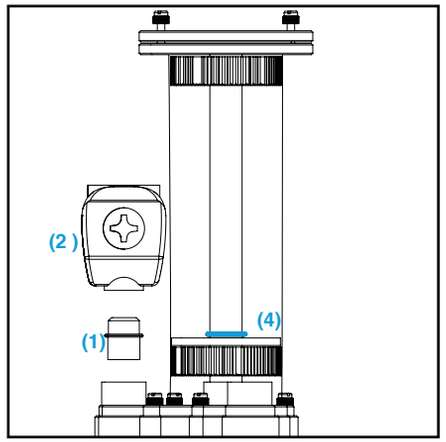
## Step 3

Check the top of the main body to ensure there is no stray media that will prevent the lid from creating a good seal when replaced.

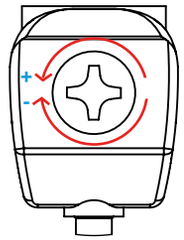
## Step 4

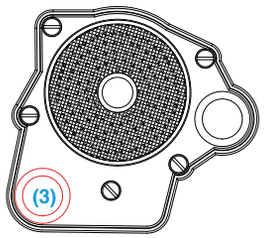
Replace the top filter sponge and lid, being careful not to over tighten the plastic screws. Finger tight is sufficient to prevent any leaks.

**TIP** Posotioning your Reactor- You should now decide if you are positioning your reactor inside or outside of the sump.




Set the flow control on the pump.




## Step 3 - Pump instructions apply to pumps supplied by iQuatics

At this point, you can power the reactor up. Some media may float to the top at first because air bubbles have stuck to it.

A sharp tap on the side of the reactor will release most, any that remain will eventually fall back.

Set the flow control to give a gentle simmer at the top of the Gyractor with a much more aggressive cleaning action at the bottom. The pump is purposely overrated to allow you to increase flow if the nozzles or top filter sponge start to clog slightly.

The best starting point on pump adjustment is 2 clicks up from the lowest flow.

## INSIDE SUMP

## Step 5

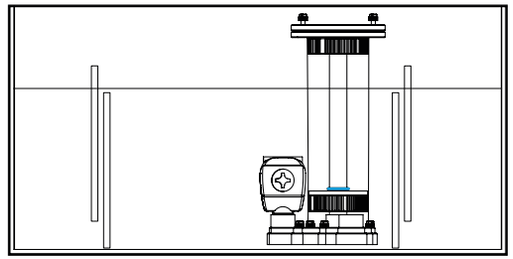
Push the supplied connector into the pump inlet **(1)** followed by the pump **(2)**. The pump will only fit in one position. **(3)**

Ensure bottom sponge is under the plastic plate and the small red seal is sitting above this. **(4)**

**WARNING -** the pump needs to be submerged in the sump

## Step 6

At this point, you can power the reactor up. The Bio Phos 80 media is very dense so there will be very little movement in the reactors. The heavier mass allows water to pass through without causing channeling giving more even surface contact time.



If you need to extend the pipework, you can use standard 19mm internal diameter Poly Pipe,