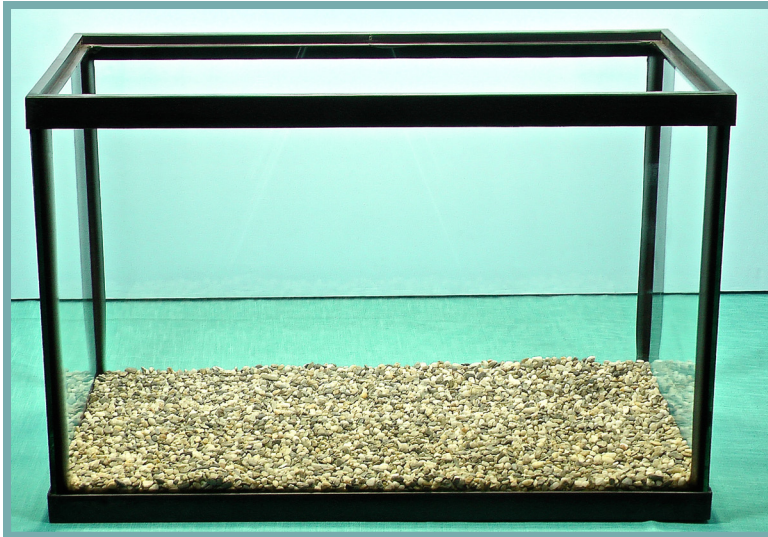


A. Set-Up with gravel

Set-up tank 10 days before eggs arrive to condition the water and ensure all equipment is working.



1 Gravel

Dust-free epoxy-coated gravel is recommended.

For 20 gallon tanks use 5kg

For 33 gallon tanks use 10kg

Spread evenly over the bottom of the tank.



Demonstration of
eyed eggs deposited
in front of the
redd.



2 Redd

Collect 10-15 round rocks of 2 inch diameter.

Avoid sharp edges and rust, iron, or metal in the rocks.

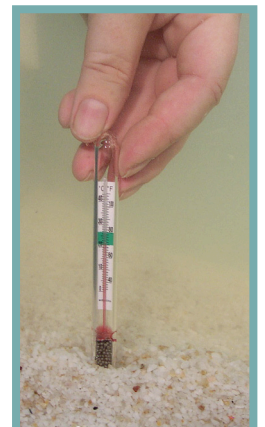
Boil for 10 minutes, cool, and pile loosely in the center of the aquarium. Leave 4 inches of space between redd and front of the tank so the eggs can be observed.

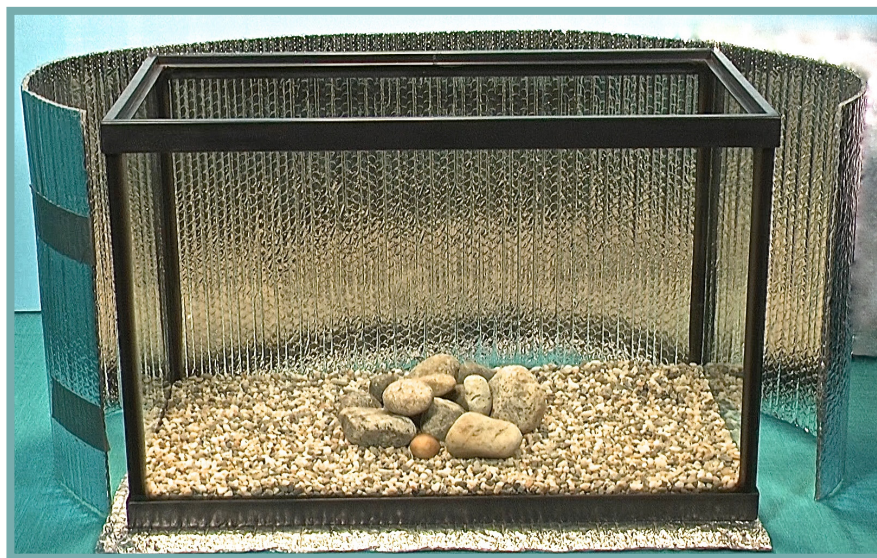
When the eggs hatch, alevins will hide by wedging between the rocks.

3

Thermometer

Place thermometer in gravel or on the inside of glass. Place near small opening in front cover to monitor daily. Optimal temperatures are 5°C to 9°C.





4 Insulation

Styrofoam or insulation is wrapped tightly to all sides of the dry tank, then taped to sides of glass. Use one piece for under the tank. Sides, back and lid remain on the tank throughout the program. The front is removed at fry stage.



Limit the light at egg and alevin stages. A small door can be cut for individual peeking.



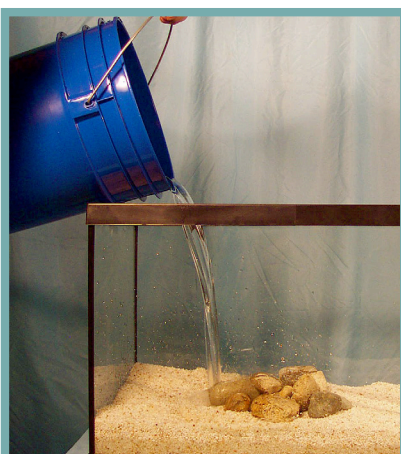
Hinge the front cover for class viewing of eggs and alevins. Suggested daily limit is three 10 minute sessions. The front is removed at the fry stage.

Custom cut the lid with openings for electric cords etc for a tight fit. This will prevent fry from jumping through cracks between lid and sides.

5

Background

Add a laminated background on the outside of tank between insulation and glass to minimize the shine of the insulation. Tanks will often have water on the outside of the glass from condensation. This is not an indication of leaking.



6

Water

Run cold tap **30 minutes** prior to filling tank to clear pipes of harmful metals such as copper and lead.



7

Aquaplus

Add to remove chlorine and prepare water. Follow directions on bottle for 20 or 33 gallon tank.

B. Alternative Minimal Gravel Set-Up

Set-up tank 10 days before eggs arrive to condition the water and ensure all equipment is working.



1 Backdrop

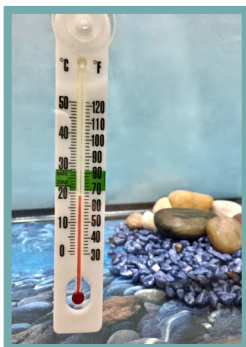
Tape a backdrop of river rock (or other similar image) to underside of tank.

Dust-free epoxy-coated aquarium gravel is recommended.



2 Gravel

Spread 1 kg (approx. 1cup) in an 8" circle to cover glass in middle of tank. When fry are swimming remove all gravel and redd rocks.



Thermometer

Place suction-cup thermometer on the inside glass near opening in insulation. Monitor daily. Optimal temperatures are 5°C to 9°C.

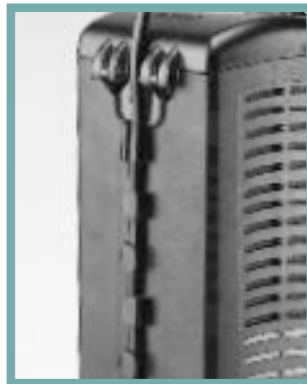


3 Redd

Collect 10-15 round rocks of 2 inch diameter. Avoid sharp edges and rust, iron, or metal in the rocks. Boil for 10 minutes, cool, and pile loosely on the gravel. Leave 2-3 inches of gravel in front for placing the eggs. When the eggs hatch, alevins will hide by wedging between the redd rocks.

Follow previous instructions to add insulation and fill tank.

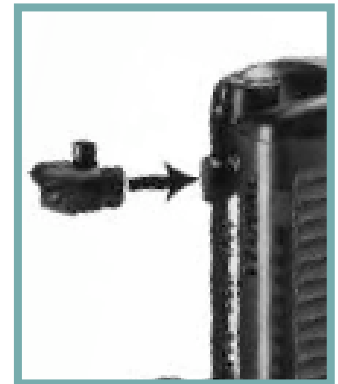
U3 Fluval Filter



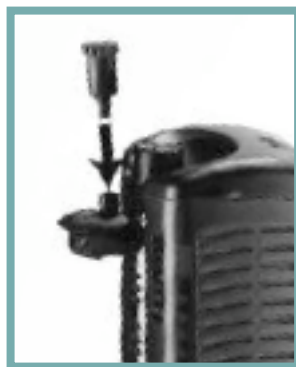
- 1 Wind electric cord upward through slots.



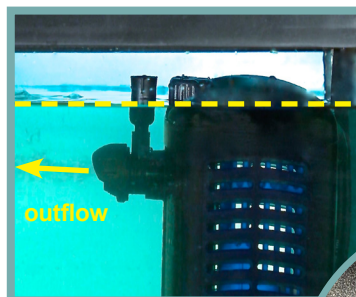
- 2 Attach four suction cups to the bracket.



- 3 Insert the output nozzle.



- 4 Insert venturi valve into the top of output nozzle.



Water level

- 5 Venturi is above water line to draw air into the water outflow.



- 6 Turn dial to 'A' Water should flow from the top output nozzle.



- 7 Direct flow from the output nozzle towards refrigerator coils by twisting the deflector cap.



- 8 Rinse pads to remove dust. Remove biomax from plastic bag before placing in blue box.



- 9 Rinse pads again after the eggs hatch. The filters will trap the egg casings and need cleaning.

Fluval filters

Replace annually

- two foam pads
- two carbon pads
- biomax cartridge

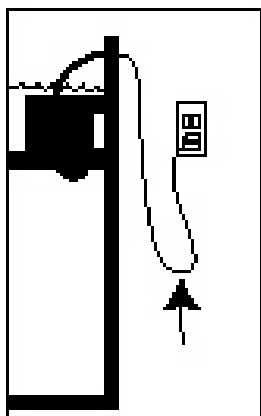
Fluval operating precautions

To guard against injury basic safety precautions should be observed, including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DANGER – To avoid possible electric shock special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations do not attempt repairs yourself; return the product to an authorised service facility for service or discard the filter.

- A If the appliance falls into the water DO NOT reach for it! First, unplug it and then retrieve it. If electrical components of the filter get wet unplug the appliance immediately
- B If the appliance shows any signs of abnormal water leakage immediately unplug it from the power source (immersible equipment only).
- C Carefully examine the filter after installation. It should not be plugged in if there is water on parts not intended to be wet.
- D Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or is dropped or damaged in any manner.
- E To avoid the possibility of water dripping into the electrical outlet position the entire aquarium unit to one side of the electrical outlet. A “drip loop” should be arranged by the user for each cord connecting an aquarium appliance to an outlet. The “drip loop” is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water from travelling along the cord and coming into contact with the outlet. If the plug or outlet does get wet DO NOT unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the outlet.



Close supervision is necessary when any appliance is used by or near children. To avoid injury do not place the FLUVAL filter in contact with moving parts, or hot parts such as heaters, reflectors, lamp bulbs, etc.

Always unplug the FLUVAL filter from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank the cord to pull the plug from its outlet. Grasp the plug and pull it to disconnect.

Make sure the FLUVAL filter is securely mounted on an aquarium before operating it.

If an extension cord is necessary a cord with a proper rating should be used. A cord rated for less amperes or watts than the FLUVAL rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

The FLUVAL filter has a polarised plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarised outlet only one way. If the plug does not fit in the outlet, reverse the plug. If it still does not fit fully in the outlet, contact a qualified electrician. Never use with an extension cord unless the plug can be fully inserted. Do not attempt to defeat this safety feature.

CAUTION:

Disconnect the plug of all appliances inside the aquarium before placing hands in water.

- Place the filter inside the aquarium and ensure that it is placed below the water level.
- Attach the filter to the aquarium by using either the rim clamp or suction cup bracket.
- Rotate exhaust outlet to desired angle.
- Plug into power.

CAUTION: The filter must not be allowed to run dry.

As with all mechanical filtration devices, the filter media must be changed to provide optimum purifying performance. Although the impeller is self-cleaning, regular cleansing of the impeller well is recommended. Soap or detergents should never be used as traces left on equipment may stress or kill fish. Rinse thoroughly in lukewarm water.

CAUTION: Always disconnect all internal electrical accessories before placing hands in water

