

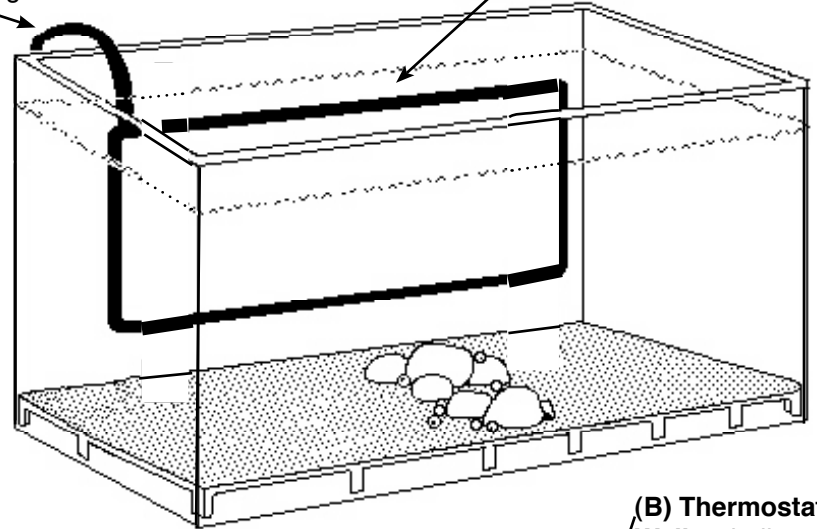
Cooling tank with Aquachill refrigerator

Set-Up

1. Place stainless steel cooling tube (A) (a square loop of metal tubing) at the back of the tank if possible. Completely submerge the cooling tubes in the water.
2. Keep the tubing away from the glass and the gravel bottom (place clean rocks under the bottom tubing) This will prevent alevins from getting caught/frozen.
3. Direct air from Fluval or Power Head towards the cooling tube to create flow and prevent ice from forming on the tubes.

Copper coil inside black foam wrapping - Do not over bend

(A) stainless steel cooling tube - keep 1" off gravel and away from glass



Setting Temperature

- The latest refrigerators are pre-set at 8C with a 2 degree differential. The unit will turn on when the water temperature reaches 10C - cool the water to 8C - then shut off.
- Digital controls have a window that gives the temperature of the tank water.
- Press Menu to scroll through the settings : C/F for Centigrade or Fahrenheit; SP for setpoint, diff for differential; and C/H for Cold or Heat
- Press Menu button until 'SP' (setpoint) then use up/down arrow to set at desired temperature - press menu to save.
- Press Menu button until 'diff' (differential) then use up/down arrow to set at 2 degrees -press menu to save.

Maintaining the system

- Avoid overworking the compressor. Keep your tank TIGHTLY covered with styrofoam/insulation at all times.
- Safety: Attach to a Ground Fault plug or use a Portable ground fault cord. These will interrupt the power if moisture is present and the refrigerator will turn off and remain off.
- Clean the compressor (vacuum for dust every year) and position compressor with constant access to air (do not enclose).

Sensors

New systems have white plastic cases for thermometer - attach to glass away from the cooling tubes.

Older systems require a 'Well' (B) a 6 inch hollow tube to keep thermostats dry - hang on the **inside** away from the cooling tubes. Do not submerge the opening.

Slide the Thermostat Probe (C) into the Well. Keep the Probe very dry while inside the Thermostat Well.

Prevent condensation inside the Well by cutting a small hole in styrofoam cover (over the Well).

Keep the original box for storage. The copper cooling coil is very fragile. Treat with care and bend as little as possible when positioning your unit in the aquarium.

Manufactured by

Aquachill Industries, Vernon, B.C.

Have your model number of the unit before calling.

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