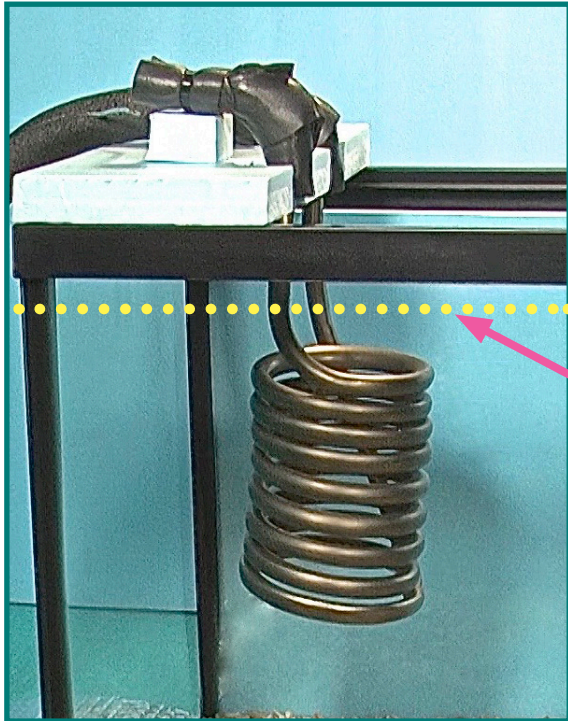


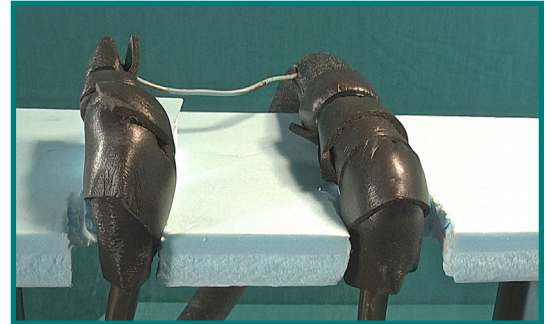
UMI Refrigerator



Set-Up

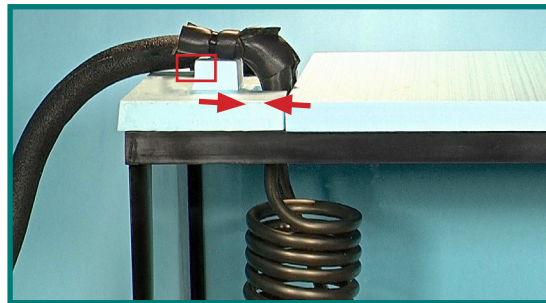
Place the stainless steel tubing (the coiled loop) on the inside of the tank. Only submerge the lower coils in the water.

water level



Cut a 6" section of the styrofoam lid for the wrapped section of coils to rest on. Cut two wedges to stabilize the coils. If the model comes with an attached metal plate, rest this plate on top of the lid.

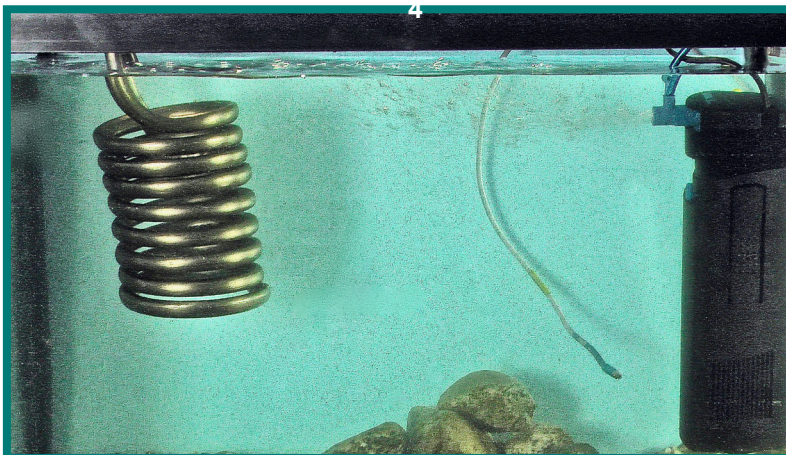
The remaining length of lid will now fit tightly against this 6" section and can be removed without disturbing the refrigerator.



Stabilize the wrapped section of coils on top of the lid with a block of styrofoam or other object.

Thermostat

The thermostat is placed inside the tank. It regulates water temperature and turns the refrigerator on and off according to the temperature that is set.



Direct the air flow from the Fluval Filter to create a current over the cooling coils. This is important in preventing ice forming on the coils. The thermostat sensor can lay on the bottom of the tank and does not require a casing.

Tape the thermostat cord to the outside of the tank so it remains **inside the tank** and **in the water**.

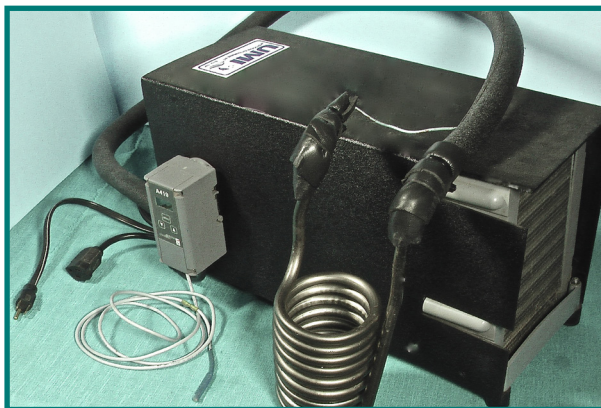


Purchase or Repairs

Marine Build
2790 Sunnyside Road, Anmore

Edward Keating 604 970-0184
edward@marinebuild.com

UMI Settings



The digital readout displays the present temperature when the thermostat is in the water.

Trouble Shooting

Problem: Ice is forming on the steel tubing.

Check that the outflow from the Filter is directed towards the cooling tubing to create a current.

Problem: The refrigerator never turns off.

Check that the thermostat is below the water line and has not withdrawn from the metal casing.

Problem: The refrigerator turns on frequently.

Check that the tank is tightly covered with insulation, only removing the front at the fry stage.

Problem: The refrigerator motor is over heating.

Check that the fan is clean of dust and has access to air (do not place fan against walls or the motor in cupboards).

Set Temperature

MENU Press MENU until SP (Set Point) blinks on display.

MENU Press MENU again to read the **present** Set Point.

Use up/down arrows to set the **desired** water temperature.

MENU Press MENU again to **save** this setting. The display will return to the present water temperature.

Set Differential

MENU Press MENU until SP blinks on display.

Press the UP arrow - dIF (Differential) will blink.

MENU Press MENU again to read the **present** Differential.

Use up/down arrows to set the Differential at 1.

MENU Press MENU again to **save** this setting. The display will return to the present water temperature.

If no buttons are pressed for 30 seconds the digital readout will return to displaying the present tank water temperature.

There are three factory settings

ASd set at 1
OFS set at 0
SF set at 1

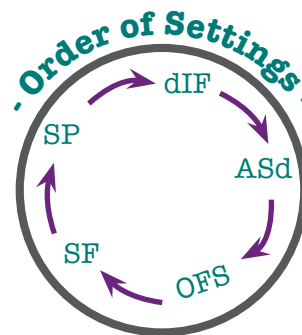
How it Works

If the SP is set at 6°C, and the differential at 1 . . .

- The refrigerator will **TURN ON** – chill the water to 5°C – then **TURN OFF**.
- When the water **warms to 6°C** – the refrigerator will **TURN ON** - and again chill the water down to 5°C.
- This cycle repeats as long as the chiller is plugged in and the thermostat is in the water.

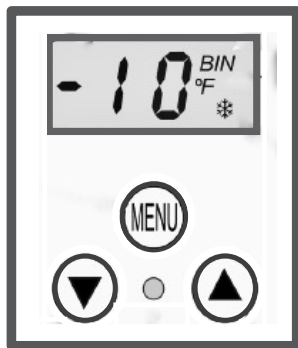
Safety: Attach to a Ground Fault plug or a portable ground fault cord. This will interrupt the power if moisture is present, and the refrigerator will turn off and remain off until the Reset Button on the ground fault is pushed.

UpButton



UMI Settings










NEW MODELS



The digital readout displays the present temperature when the thermostat is in the water.




Set Temperature Range for 'OFF' and 'ON'


-  Press **MENU**.The display will read '**OFF**'
-  Press **MENU**.The display will flash the current '**OFF**' setting again
-  Press **UP** or **DOWN**.To change to desired degree for **LOWEST** temperature of water (from 5C - 8C)
-  Press **MENU**.The display will change to '**ON**' to save
-  Press **MENU**.The display will flash the current '**ON**' setting again
-  Press **UP** or **DOWN**.To change to desired degree for **HIGHEST** temperature of water (from 8C - 10C)
-  Press **MENU**.The display will change to '**SF**'- preset at 1 to save
-  Press **MENU**.The display will change to '**ASd**' - preset at 1 again
-  Press **MENU**.Wait 30 seconds - the display will return to reading current water temperature

Trouble Shooting


Problem: Ice is forming on the steel tubing.

 **Check** that the outflow from the Filter is directed towards the cooling tubing to create a current.


Problem: The refrigerator never turns off.

 **Check** that the thermostat is below the water line and has not withdrawn from the metal casing.

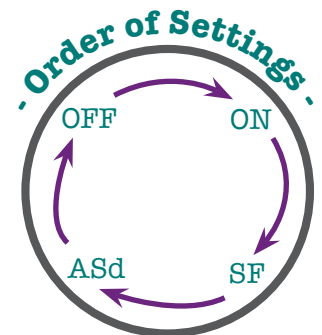
Problem: The refrigerator turns on frequently.

 **Check** that the tank is tightly covered with insulation, only removing the front at the fry stage.

Problem: The refrigerator motor is over heating.

 **Check** that the fan is clean of dust and has access to air (do not place fan against walls or the motor in cupboards).

UpButton



How it Works

For example: '**OFF**' is set at 6°C and '**ON**' is set at 7°C (**ALWAYS SET 'ON' 1 DEGREE HIGHER THAN 'OFF'**)

- ◆ The refrigerator will **TURN OFF** when the water **has cooled to 6°C**
- ◆ The refrigerator will **TURN ON** when the water **has warmed to 7°C** - cool the water to 6°C – then **TURN OFF**.
- ◆ This cycle repeats as long as the chiller is plugged in and the thermostat is in the water.

Safety: Attach to a Ground Fault plug or a portable ground fault cord. This will interrupt the power if moisture is present, and the refrigerator will turn off and remain off until the Reset Button on the ground fault is pushed.