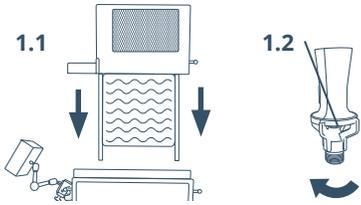


1



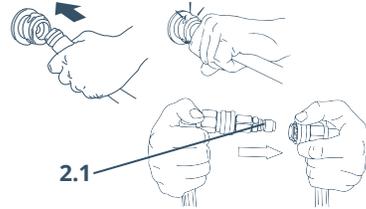
Install Refrigeration Module

(if equipped)

If equipped, set the Refrigeration Module in the MCH tank (1.1). Make sure the Refrigeration Module power cord and the MCH-1000 mains power cord are on opposite sides.

Lift the lid of the Refrigeration Module and unscrew the tank inlet screen. Carefully thread the Turbonozzle (1.2) into the tank inlet fitting. It should thread in easily at least a couple of turns.

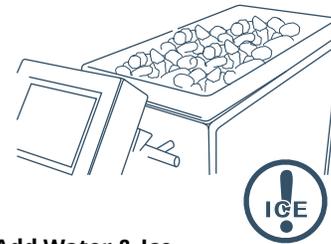
2



Attach Hoses & Loopback Connector

Connect the dripless connections to the corresponding "IN" and "OUT" connections in the back of the MCH, both main and Cardioplegia shared channel. Attach the end of the MCH water lines with a loopback connector (2.1). Make sure any inline valves are open.

3

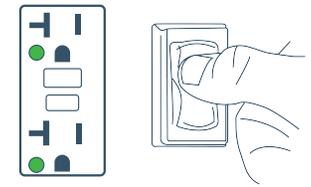


Add Water & Ice

With Refrigeration Module: fill the cold water tank with approximately 8 gallons (30L) of sterile or 0.22-micron filtered water.

No Refrigeration Module: fill the cold water tank with approximately 4 gallons (15L) of sterile or 0.22-micron filtered water and fill the remainder of the tank with ice made from sterile or 0.22-micron filtered water.

4

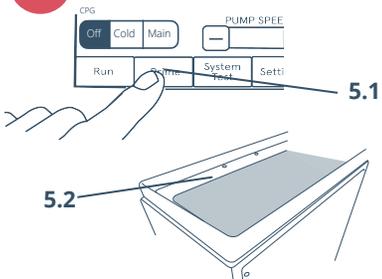


Insert Plug & Power On

With the front panel mains power switch turned off, plug the power connector into a dedicated "hospital grade" AC power outlet. The outlet should match the voltage, frequency and capacity listed on the MCH label. Switch on the power supply.

If so equipped, the Refrigeration Module should be plugged into its own dedicated circuit and powered on.

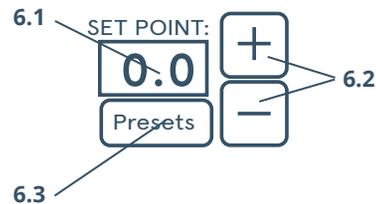
5



Prime

Press the **Prime** button (5.1) to clear the air from the water circuit. Allow the prime cycle to run for 2 min. (120s). Once the prime cycle is complete, top off the cold water tank with sterile or 0.22-micron filtered water so that water reaches the top edge of the inner shelf (5.2) of the tank.

6



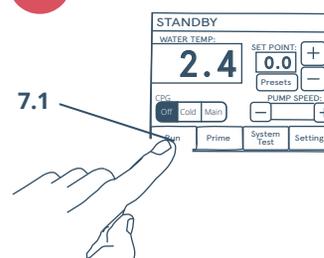
Set Temperature: Three Ways

1. Press the **SET POINT** display (6.1) to manually input the water temp.

2. Press the **+** or **-** buttons (6.2) to adjust by 0.1°C.

3. Press the **Presets** button (6.3) to set the temperature to a preset value.

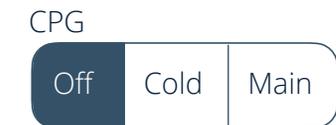
7



Run

Press the **Run** button (7.1) to start the flow of temperature-controlled water.

8



Cardioplegia Shared Channel

In **OFF**, water does not flow through the CPG circuit. In **COLD**, water is circulated directly from the MCH cold water tank through the CPG circuit by a secondary water pump. The temperature of the water is determined by the temperature in the cold water tank. In **MAIN**, the CPG circuit is connected to the Main circuit and the secondary water pump is off.