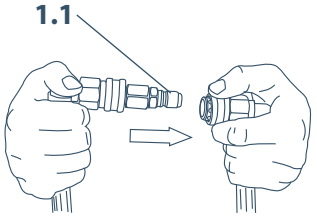
CardioQuip™ MCH-1000(m) Quarterly Maintenance Procedure

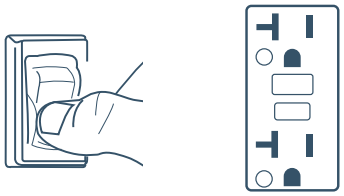
The Quarterly Maintenance procedure is a reprocessing cycle which cleans and disinfects the external surfaces and water path of the unit. To ensure proper operation of the MCH, perform the **Initial Operation Check** found in the MCH Operator/Service Manual at least quarterly. Additionally, ensure all accessories and modules are reprocessed at the same time as the MCH unit. The **Refrigeration Module Maintenance** sections must be referenced for reprocessing the Thermoelectric Cooling Lid (MCH-11TEC).

1



Attach the hoses with a loopback connector, MCH-10LBC (**1.1**), and put approximately six inches of sterile or 0.22-micron filtered water in the water tank.

2



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 nameplate.

3

Turn on the mains power switch for the MCH. Ensure that the unit runs through a successful system test.

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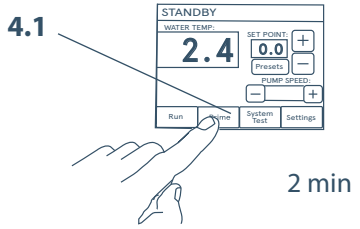

Touch the Prime button (**4.1**) to initiate the priming sequence. The pump should turn on at full speed, and the valve should switch from **COOLING** to **RECIRC** approximately every ten seconds (check for ten-second bursts of water flow in the water tank).

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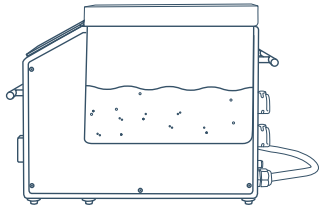

After priming, ensure the water level in the ice tank does not drop below four inches by adding sterile or 0.22-micron filtered water as necessary.

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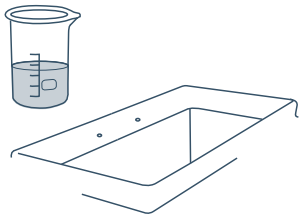

Add the selected cleaning chemical* to the cold water tank at the manufacturer's recommended rates. Once primed, and with six inches of water in the tank, the MCH-1000(m) contains approximately 1 gal (4L) of water.

**Use only suggested cleaning and disinfecting chemicals and concentrations found in the MCH Operator/Service Manual.*

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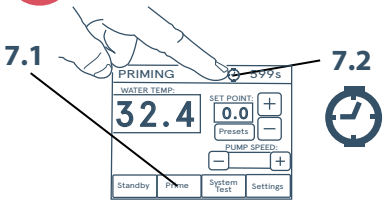
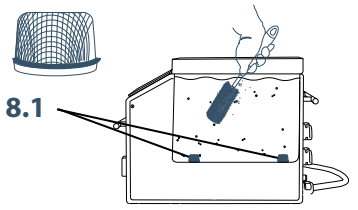


Run the MCH through five (5) standard priming cycles (**7.1**), or one extended priming cycle (**7.2**), to fully mix and circulate the cleaning chemical (10 minutes total).

8



Scrub the cold water tank and outlet screens with a nylon brush. It is imperative that the tank and screens (**8.1**) be thoroughly cleaned to ensure disinfection. The screens may be unscrewed and removed to assist in cleaning. Be sure to replace the screens before operating the MCH.

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⚠ Note: Please refer to the MCH Operator/Service Manual for complete instructions: www.CardioQuip.com/resources

CardioQuip MCH-1000(i) Quarterly Maintenance Procedure, continued

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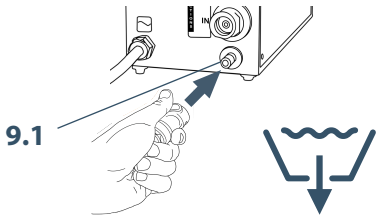

Attach the tank drain (**9.1**) connector and drain the unit completely. With the drain connector attached, flush the unit with sterile or 0.22-micron filtered water.

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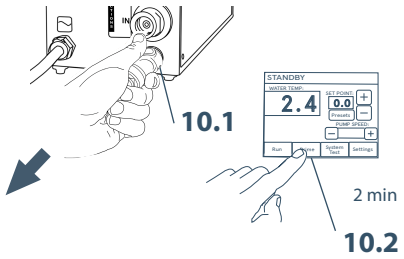

Disconnect the drain connector (**10.1**) and fill the cold water tank to maximum level with sterile or 0.22-micron filtered water. Run the MCH through a priming cycle (**10.2**) to flush residual cleaning chemical from the system.

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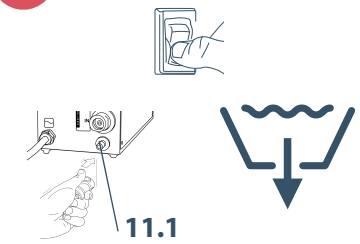

Turn off the mains power switch, and drain the system completely (**11.1**). If necessary, repeat the flushing sequence until all cleaning chemical is removed from the system.

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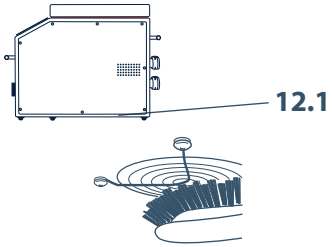
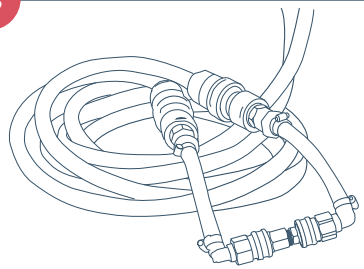


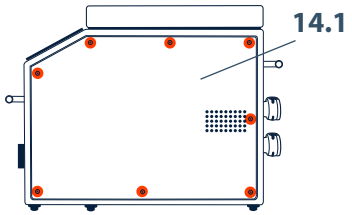
With a nylon brush, clean the fan guard and air intake grille (**12.1**) on the underside of the unit. All debris should be removed so that air flow is not impeded.

13



Inspect all plastic tubing on the hose kits. Any tubing that is clouded and/or has lost its flexibility should be replaced. To ensure proper function, exterior tubing must be replaced every 2 years regardless of condition. Replacement involves the detachment of the current hose and attachment of new hoses as outlined in the Maintenance section of the operator's manual.

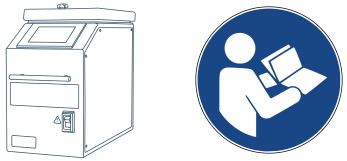
14



Internal tubing inspection: Instruct a qualified serviced personnel to unplug the unit and remove the side panel (**14.1**) from the device. Visually inspect the clear internal tubing. If the tubing does not appear clouded or discolored, reattach the side panel.

Only remove the screws highlighted in red.

15



Perform the cleaning procedure listed under **After Every Use.** The system can now be returned to use or stored. Always store the system drained and dry.

⚠ Note: Please refer to the MCH Operator/Service Manual for complete instructions: www.CardioQuip.com/resources

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