



# COOL FLOW® & COOLOR® CHILLER SYSTEM ADDENDUM

**NOTE: THIS ADDENDUM IS TO BE USED IN CONJUNCTION WITH THE COOL FLOW® & COOLOR® PERSONAL COOLING SYSTEMS INSTRUCTIONS AND THE CHILLER MANUAL.**

## **SETTING UP THE SYSTEM WITH A CHILLER**

Read and follow all Instructions, Cautions and Warnings on this addendum, in the Cool Flow® & CoolOR® Personal Cooling Systems Instructions and the Chiller Manual.

1. **CAUTION: Always begin with power supply unplugged.** Do not turn on the system until all connections are complete and the tubing extension from the cooling reservoir to the vest, head cap or therapy pad is free from bends or restrictions, as this will restrict water flow through the system.
2. Set the Chiller on a flat surface with the LED display screen facing towards you.
3. Set the cooling reservoir next to the Chiller, with the female couplings on the cooling reservoir lid closest to the Chiller (see image below).
4. Open the cooling reservoir and fill with cool, clean water to the fill line (approximately 2-3 quarts. Both pumps must be completely submerged under water when the system is in use). **CAUTION: Never operate the system without water. This may cause pump failure.**
5. Add two cups of ice to the cooling reservoir water. This is not necessary but will assist the Chiller during start-up to quickly reach the target water temperature.
6. Connect the Chiller to the cooling reservoir, as shown below. Your system included two connector pieces, which are interchangeable. On one end, there are male couplings to connect into the female couplings on the cooling reservoir lid. The other end has the input and output pieces that screw into the top of the Chiller. On the cooler reservoir, each female coupling is labeled. The one labeled “Connects to Chiller In” should connect with the port on the top of the Chiller labeled “IN.” The one labeled “Connects to Chiller OUT” should connect with the port on the top of the Chiller labeled “OUT.” Listen for the couplings to click when they lock together properly. Cooling reservoir may be blue or white depending on system.



7. Connect one end of the tubing extension into the female couplings panel mounted to the gray box on the cooling reservoir. Connect the other end to the vest, head cap or therapy pad. Again, listen for the couplings to click when they lock together properly.
8. Plug in the Chiller power cord to a wall outlet and turn the Chiller on.
9. Plug the 12 Volt power supply into the electrical jack on the cooling reservoir and then plug the other end into a wall outlet.
10. Flip the cooling reservoir power switches to the “On” position. There are two switches, one for each pump.
11. Water will begin circulating through the Chiller and the vest, head cap or therapy pad as follows:
  - Water will circulate from the cooling reservoir into the Chiller and back to the cooling reservoir. You can see this water flow return into the cooling reservoir by slightly raising the cooler lid.
  - Water also will circulate from the cooling reservoir into the vest, head cap or therapy pad and back to the cooling reservoir. Slightly raise the cooling reservoir lid and ensure there is water flowing back into the cooling reservoir from the short stub of blue tubing, which is the water return flow tube from the vest, head cap or therapy pad.
12. After all components have been filled and run with water, check the cooling reservoir to ensure the water level is well above the pumps. Add additional water if necessary.
13. Set the Chiller temperature: Hold down the “Set” button for 5 seconds. The Chiller will beep and the display screen will flash. Once it does, use the “up” and “down” arrows to select the desired temperature between 40 degrees F and 70 degrees F. Then press the set button again. The screen will switch back to display the current water temperature. **Note: To help the Chiller get to the desired temperature faster, add ice to the water in the cooling reservoir. See Chiller manual for additional instructions on its use and operation.**

**PLEASE READ THE INSTRUCTIONS IN THE COOL FLOW® & COOLOR® PERSONAL COOLING SYSTEMS INSTRUCTIONS AND THE CHILLER MANUAL FOR CARE & MAINTENANCE, TROUBLESHOOTING, OPERATING INSTRUCTIONS, CAUTIONS AND WARNINGS.**

**POLAR PRODUCTS INC. WILL NOT BE LIABLE FOR INJURIES THAT RESULT FROM THE MISUSE OR MISAPPLICATION OF THIS SYSTEM.**