

# Chiller System Addendum

Read and follow all Instructions, Cautions and Warnings on this page, the Active Ice® Instructions Manuals, the Chiller System Instructions and on the unit(s) before operating this system.

**WARNING:** *Prior to using this or any body cooling or therapy product for a medical condition, always consult a licensed healthcare practitioner. Read all instructions and warnings before operating this system. Polar Products, Inc. will not be liable for injuries that result from misuse or misapplication of this system.*

## Setting up the Chiller System

- a) **CAUTION: Always begin with power supply unplugged.** Do not turn on the system until all connections are complete and the hose from the cooler to the vest and / or wrap is free from bends or restrictions, as this will restrict water flow through the system.
- b) Set the Chiller unit on a flat surface with the screen display facing towards you.
- c) Set the system cooler to the right of the Chiller, with the tubing inputs located on the cooler lid in the back.
- d) Open the cooler reservoir and fill with cold tap water, approximately halfway between the top and bottom tubes in the cooler (approximately 2 - 3 quarts.) **CAUTION: NEVER OPERATE THE UNIT WITHOUT WATER. This can cause pump failure.**
- e) Add two cupfuls of ice to the cooler water. This will assist the Chiller during start-up to quickly reach the target water temperature.
- f) Connect the Chiller to the cooler as follows. *See illustration, right:*  
Be sure the tabs on the couplings are depressed before connecting and that the couplings click when they lock together.
  - a. **Connect the “out” connector on the chiller to the “in” connector on the blue cooler reservoir. Tube the “in” connector on the chiller to the “out” connector on the blue cooler reservoir.**
- g) Put on the wrap and adjust for a snug fit. **CAUTION: Do not wear directly against the body. Always use an insulating layer between the vest and the skin.**
- h) Connect the wrap couplings to the cooler’s insulated water lines. Breakaway couplings are simply pushed in place. If your couplings have a metal tab, be sure to depress tabs on the couplings before connecting. Couplings “click” when they are properly locked together.
- i) Plug in the Chiller power cord and turn the switch on.
- j) Connect the Transformer power supply into the unit and then plug into a wall outlet. (See power supply label for proper voltage).
- k) Turn the cooler power switch to the “On” position.
- l) Water will be circulating through the Chiller and the garment as follows.
  - a. Water will be circulating from the cooler to the garment and back to the cooler. Slightly raise the cooler lid and ensure that there is water flowing through the top return flow tube to the cooling reservoir from the garment.
  - b. Water will be circulating from the cooler to the chiller and back to the cooler. You can see this flow from the lid by slightly raising the cooler lid.
- m) After all components have been filled and run with water, check the reservoir to assure the water level is well above the pump.
- n) Set the Chiller temperature: Hold down the “Set” button under the display screen for 5 seconds. It will beep and 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. To help the cooling process, add ice to the water in the cooler. **Note: Please read the enclosed Active Ice or Cool Flow instructions and Chiller instructions for Care & Maintenance, Trouble Shooting, Operating Instructions, Cautions and Warnings.**

