



## Recommended Maintenance Schedule HTP-1500 Heat Therapy Pump (V.905)

Serial Number: \_\_\_\_\_ Date: \_\_\_\_\_ Signature \_\_\_\_\_

Routine maintenance for the HTP-1500 should be conducted annually. We recommend checking the following performance parameters:

- Temperature Accuracy: With the HTP-1500 running and set at 107°F, use a calibrated digital thermometer or Adroit's Temperature Flow Rate Tester (TFR) to measure reservoir temperature. The temperature should be +/- 1°F
  
- Calibration: If the reservoir temperature is not within 1°F of set temperature the HTP-1500 should be calibrated as follows:
  - 1) Unit is OFF
  - 2) Turn unit on while simultaneously pressing the **UP** and **DOWN Arrows** and the **C°/F°** button.
  - 3) Unit will display current offset, such as "**OF 3**" (offset is positive 3 degrees F°)
    - a. To increase unit temperature, press the UP Arrow (+9 maximum)
    - b. To decrease unit temperature, press the Down Arrow (-9 maximum)
  - 4) After selecting offset, the unit will display "**END.**"
  - 5) Turn the Unit OFF and then back ON to confirm the new offset selection. Note: *The new offset will not take effect until the unit is restarted.*
  
- Flow Rate: Using the Adroit Temperature Flow Rate Tester, or equivalent flow meter, measure the HTP-1500 water flow rate. Flow should be no less than 15 GPH. Typical flow rate is approximately 23 GPH.
  
- Electrical Leakage: Use a electrical safety analyzer to check normal and reverse polarity and power cord resistance.
  
- Primary Hi Limit Test: First, make sure the Set-Point Temperature is 107°F with a pad attached, allow the unit to reach 107°F. Once temperature is achieved, press the Down Arrow and the °F/°C and hold for five seconds. The display will flash "PriL CHEC" (Primary Limit Check) and the unit will then begin heating above 107°F. When the temperature reaches 110°F. the display will flash "HI 1" and the unit will beep slowly. The heating element will shutoff. Turn the unit off to exit test mode.
  
- Secondary Hi Limit Test: To enter the Secondary Limit first access the Primary Limit then press the Up Arrow and the °F/°C and hold for 5 seconds. The display will flash "SECL CHEC" (Secondary Limit Check) and begin heating above 110°F. When the temp reaches 115°F ( ±5°F) the display will flash "HI 2" the unit will be beep rapidly. The heater will shutoff and water will stop circulating. The unit will continue flashing "HI 2" and beeping until it is turned off.