5.15 Use of the HotLine Fluid Warmer for Blood Transfusion

The HotLine Fluid Warmer (HL-90) will be distributed by the Blood Bank at the time of transfusion. A Warming Set (tubing) will be issued along with the blood product to be transfused. Additional tubing sets are maintained in inventory on the nursing units.

1. Warmer Set-Up
   a. Clamp the HotLine Warmer securely to an IV pole.
   b. Check that the water level is above the minimum level mark on the tank.
   c. Plug into power outlet.

2. Warming Set Installation
   a. Plug the twin-tube connector into the socket on the right side of the HotLine Fluid Warmer.
   b. Activate the power switch on the left side of the warmer. The green light on the display panel will illuminate and the circulating water bath temperature display will begin to increase.

3. IV Administration Set Connection
   a. Connect the IV fluid and IV administration set to the warming set. See the diagram below.

   b. Fully prime the IV set and the warming set.
   c. Connect to the patient’s IV access site without entrapping air.
4. Use
   a. The circulating water bath temperature display will reach 37°C in about 4 minutes.
   b. Adjust the rate of flow using the clamp on the IV administration set.
   c. Each blood warming tubing set may be used to transfuse one unit of blood.

5. After Use
   a. Turn off the power switch on the left side of the warmer.
   b. Remove the warming set.
   c. Return the Hotline Fluid Warmer to the Decontamination department.