

VALLEYCARE
OLIVE VIEW-UCLA MEDICAL CENTER/HEALTH CENTERS
5B - INTENSIVE CARE UNIT
POLICY & PROCEDURE

NUMBER: 5044
VERSION: 1

SUBJECT/TITLE: USE OF LEVEL 1 SYSTEM 1000 FLUID WARMER RAPID INFUSER MACHINE

POLICY: The Level 1 System 1000 Fluid Warmer/Rapid Infuser machine is available and can be used during rapid volume replacement due to severe hemorrhage or severe volume depletion of critically ill patients.

PURPOSE: To provide guidelines in the use and cleaning/disinfection of the Level 1 System 1000 Fluid Warmer Rapid Infuser Machine

DEPARTMENTS: Medicine, Nursing 5B - Intensive Care Unit

DEFINITIONS: The Level 1 System 1000 is a fluid warming device designed for in-line warming of blood and intravenous fluids to normothermic temperatures at high flow rates of up to 1,0000 ml/min or as low as 1.25 ml/min using 300 torr pressure infuser.

PROCEDURE:

1. Perform hand hygiene
2. Loading the Level 1 D-series disposable IV fluid warming set:
 - a. Spike IV solution bags and remove all air to prevent infusions of air to the patient. Set up and primes the fluid warming set.
 - b. Flip toggle switch on the top front of the H-2 chamber all the way to the “-“ or “OFF” position.
 - c. Open chamber door by swinging out hinged latch on right side.
 - d. Hang air-free solution bag on the door post, Close door and secure side latch.
3. Pressurizing and unloading the IV fluid warming set:
 - e. Push toggle switch all the way to the “+” or “ON” position.
 - f. Observe pressure gauge to ensure 300 mmHg (approx) is achieved.
Note: The fluid warmer power switch should be “ON” for pressure chambers to operate.
 - g. Push toggle switch to “-“ or “OFF” position to release the pressure in the chamber, open door, and remove the bag.
4. Operating the equipment: (Follow 1-2-3 above)
 - h. Push the bottom end of the Level 1 D series set into the bottom heat exchanger #1 socket.
 - i. Slide the top #2 socket up. Snap the tubing in the heart exchanger guide.
 - j. Snap the filter with the gas vent into the #3 holder on the front of the

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- cabinet.
- k. Press the green power switch on the front of the cabinet to turn “ON” the unit and allow it to reach operating temperature.
- 5. Adjust flow rate using the roller clamp. Ensure fluid lines are air-free.

Cleaning the exterior surface

The exterior surface of the Level 1 System 1000 can be cleaned and disinfected using the recommended cleaner or disinfectant. Machine must be cleaned after each patient use.

1. Unplug the power supply.
2. Clean the surfaces using a soft cloth lightly dampened in a mild soap or detergent cleaning solution.
3. Wipe the surfaces with the disinfecting solution. PDI Super Sani Cloth is recommended.
4. Air dry or towel dry with a clean cloth.
5. Place a clean plastic cover over the machine to indicate that equipment has been cleaned/disinfected and ready for use.

References: Manufacturer Owner’s Manual ValleyCare Olive view-UCLA Medical Center Nursing Education, Competency Validation checklist	
Approved by: Dennis Yick (Physician Specialist, M.D.), Jan Love (Clinical Nurse Director II)	Date: 12/27/2011
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