

**VAPOTHERM
ALARMS**

Blocked Tube

- a. Check delivery tube, cannula and prongs for kinks.
- b. Check delivery tube is flush with unit, locked into place and water is visible in delivery tube.

System Failure (88 appears in LED)

- a. Check flow, oxygen connections and water level.
- b. Check there is correct flow for cartridge flow rates.
- c. If using <5 LPM with a low flow cartridge, a nasal cannula must be attached.

Water Low

- a. Make sure spike set is unclamped and spike is fully inserted into sterile bag.
- b. Check for large air bubbles in tube, re-prime to remove.
- c. Shut down and restart unit if internal airlock is suspected.

Cartridge (continuous bubbles in spike bubble trap?)

- a. **Yes** - indicates expired cartridge.
- b. **No** - indicates condensation. Flush moisture out of line and/or re-adjust temperature setting.
- c. Continuous rapid flow of bubbles into spike bubble trap *without alarm* also indicates expired cartridge.

High Temp

- a. Remove from patient and return for service.

**VAPOTHERM
LOW FLOW CARTRIDGE**

**NEONATAL APPLICATIONS
1-8 LPM**

**Premature/Neonate/Infant/Intermediate
Infant Cannula**

1. Date and insert Low Flow Cartridge.
2. Insert delivery tube into base of unit until flush. Rotate 1/4 turn clockwise and pull down slightly to lock into place.
3. Hang sterile water bag from IV pole. Connect spike set to water inlet port on back of unit. Insert spike into sterile water bag and unclamp.
4. Attach O2 tubing and turn gas flow to 5 LPM.
5. Press Power On & Alarm Silence at the same time to place into "CL" mode to prime unit. When priming is complete (approx 1-2 min) press the power button again to shut down unit.
6. Allow "- -" to disappear then press power button again to start unit.
7. Adjust temp to desired setting (usually 34°C) and allow unit to reach set temp before placing the cannula on the delivery tube.
8. Place cannula on the delivery tube *before* adjusting flow (between 1-8 LPM) and *immediately* place on patient.

**CAUTION: DO NOT EXCEED
8 LPM**

LFC 02/07