



VAPOTHERM®

Vapotherm Precision Flow™ Competency

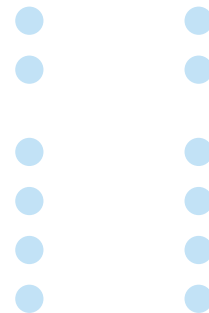
I. Review Operating Manual And View In-service Video

- a. In-service video, operating instruction manual, and additional information available at www.vtherm.com

II. Required Equipment

- a. Precision Flow unit with power cord
- b. IV pole
- c. Air and oxygen high pressure hoses with attached gas inlet traps and quick connect adaptors
- d. High or Low Flow Disposable Patient Circuit Kit
- e. Sterile water
- f. Nasal cannula

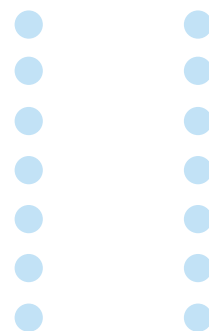
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III. Unit Assembly and Set Up

- a. Ensure oxygen sensor is in place
- b. Identify power cord is in place & secured to back of the unit
- c. Check air/oxygen high pressure hoses are in place and plugged into wall outlets
- d. Install cartridge into the disposable water path
- e. Secure delivery tube into bottom of disposable water path
- f. Slide open unit door & slide disposable patient circuit into place
- h. Hang sterile water above unit, remove cap and wipe spike with 70-90% isopropyl alcohol and insert spike into spike port of sterile water

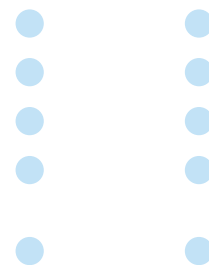
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IV. Unit Start Up

- a. Plug in power cord
- b. Allow unit to "self test" & identify any error codes
- c. Rotate Setting Control Knob to light up display panel
- d. Press Run/Standby button to initiate gas flow, pump, & heater
- e. Identify unit is in "run mode" & that all numeric displays are on and status LED is green

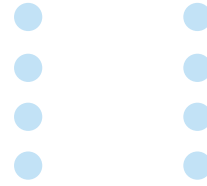
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V. Adjustments

- a. Press & release Setting Control Knob
- b. Identify flashing value & changes it by rotating the Setting Control Knob
- c. Repeat these steps to adjust flow, temperature, & FiO2
- d. Identify that FiO2 & flow settings are within range of gas source

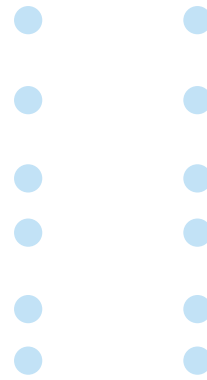
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VI. Connecting to Patient

- Low Flow: 1-8 lpm with premature, neonatal, infant & intermediate infant nasal cannula
- High Flow: 5-20 lpm with pediatric nasal cannula & 8-40 lpm with adult nasal cannula
- a. Ensure FiO2, flow, & temperature are set per institutional protocol & physician order
- b. Allow unit to reach set temperature & attaches cannula
- c. Place cannula on patient and observes to ensure proper placement & settings
- d. Know flow rate ranges per cannula and cartridge

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VII. Alarms

- a. Identify audible & visual alarms, & is able to correct each
- b. Can point out "alarm mute button"
- c. Can differentiate between a "medium priority alarm" & "low priority alarm"

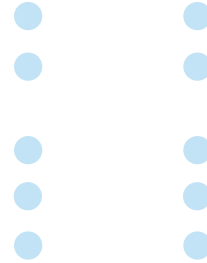
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VIII. Unit Shut Down

- a. Press the Run/Standby button, unit will enter standby mode
 - b. Clamp the water inlet tube, and disconnect it by pulling out the spike
 - c. Open the sliding door, remove the disposable water path with cartridge and delivery tube attached by sliding it upwards out of the docking station
 - d. Discard all disposables according to hospital guidelines
 - e. Disconnect unit from AC power
- Note: The Precision Flow has no ON/OFF switch. Plug the unit into a wall outlet to keep the battery fully charged.

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IX. Cleaning and Disinfection

- a. The main unit, including the docking station for the disposable water path should be wiped down with 70-90% isopropyl alcohol wipe
- b. Ensure transparent sensor ports are clean

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Name: _____

Signature: _____

Observer: _____

Date: _____