



VAPOTHERM

VAPOTHERM 2000i COMPETENCY (USA version)

I. Review operating instruction manual and view in-service video

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

II. Required Equipment

PASS

REVIEW MANUAL

- a. Sterile water bag and VSS-1 spike set
- b. Delivery tube and cannula or adaptor
- c. High flow cartridge (blue label) or Low flow cartridge (red label)
- d. High flow flowmeter for adult/pediatric or Low flow flowmeter for infants
- e. Oxygen connecting tubing
- f. Oxygen blender
- g. IV pole

III. Unit Assembly

PASS

REVIEW MANUAL

- a. Plugs in unit
- b. Dates and places cartridge in unit
- c. Secures delivery tube to unit
- d. Hangs sterile water bag from i.v. pole and attaches spike set
- e. Attaches connecting tubing from back of unit to flowmeter

IV. Unit Start-Up

PASS

REVIEW MANUAL

- a. Properly identifies buttons on panel
- b. Turns flowmeter to 10 LPM high flow cartridge and 8 LPM low flow cartridge
- c. Properly places unit in cleaning mode (alarm silence/on-off button)
- d. Checks delivery tube is adequately filling with water
- e. Runs in cleaning mode until the delivery tube has been purged of air bubbles (1–2 min)
- f. Powers down unit in preparation for "ON" mode
- g. Properly identifies all component parts of the system and their application

V. Patient Placement

PASS

REVIEW MANUAL

High flow cartridge: 5-20 LPM with pediatric cannula and 8-40 LPM with adult cannula

- a. Allows LED to blank then places unit in "ON" mode
- b. Identifies temp LED and demonstrates how to adjust temp setting
- c. Allows unit to reach at least 33°C before placing on patient
- d. Places cannula on patient at no more than 10 LPM and sets flow and oxygen percentage per institutional protocol
- e. Knows minimum and maximum flow per cannula size

V. Patient Placement (cont.)	PASS	REVIEW MANUAL
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Low flow cartridge: 1-8 LPM with premie, neonate, infant or intermediate infant cannula

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|---|-----------------------|-----------------------|
| a. Allows LED to blank then places unit in "ON" mode | <input type="radio"/> | <input type="radio"/> |
| b. Identifies temp LED and demonstrates how to adjust temp setting | <input type="radio"/> | <input type="radio"/> |
| c. Allows unit to reach set temp before placing NC on delivery tube | <input type="radio"/> | <input type="radio"/> |
| d. Places cannula on delivery tube before decreasing flow | <input type="radio"/> | <input type="radio"/> |
| e. Places cannula on patient, setting flow and oxygen percentage per institutional protocol | <input type="radio"/> | <input type="radio"/> |
| f. Knows minimum and maximum flow rate | <input type="radio"/> | <input type="radio"/> |

VI. Troubleshooting	PASS	REVIEW MANUAL
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| a. Identifies alarms and is able to competently correct each | <input type="radio"/> | <input type="radio"/> |
| b. Is able to reset unit after system failure/gas disconnect | <input type="radio"/> | <input type="radio"/> |

VII. Unit Shut Down	PASS	REVIEW MANUAL
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|---|-----------------------|-----------------------|
| a. Turns off unit first and then flow | <input type="radio"/> | <input type="radio"/> |
| B. Allows "--" to disappear (approx 1 min) before unplugging | <input type="radio"/> | <input type="radio"/> |
| C. Removes unit from patient care area and discards all disposables | <input type="radio"/> | <input type="radio"/> |
| D. Follows appropriate disinfecting protocol before re-use | <input type="radio"/> | <input type="radio"/> |

VIII. Routine Disinfecting Protocol (Kit DK-301)	PASS	REVIEW MANUAL
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Carries out routine disinfecting protocol following the guidelines in the user manual:

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| a. Disinfect wipe all connections, attaches bypass tubing set and Y-spike assembly | <input type="radio"/> | <input type="radio"/> |
| b. Circulates solution in Cleaning Mode (CL) | <input type="radio"/> | <input type="radio"/> |
| c. Hold time: 10 minutes, Removes Bag B | <input type="radio"/> | <input type="radio"/> |
| d. Lowers Bag A and attaches sterile water bag | <input type="radio"/> | <input type="radio"/> |
| e. Runs in Cleaning Mode until empty | <input type="radio"/> | <input type="radio"/> |
| f. Removes sterile water bag and attaches O ₂ tubing | <input type="radio"/> | <input type="radio"/> |
| g. Runs 15 liters of air | <input type="radio"/> | <input type="radio"/> |
| h. Lays unit on side for 2 minutes | <input type="radio"/> | <input type="radio"/> |
| i. Dries unit in upright position for 25 minutes | <input type="radio"/> | <input type="radio"/> |

Name: _____

Signature: _____

Observer: _____

Date: _____