

# High-flow oxygen therapy through Draeger ventilator



[https://www.draeger.com/en\\_me/Hospital/High-Flow-Therapy](https://www.draeger.com/en_me/Hospital/High-Flow-Therapy)

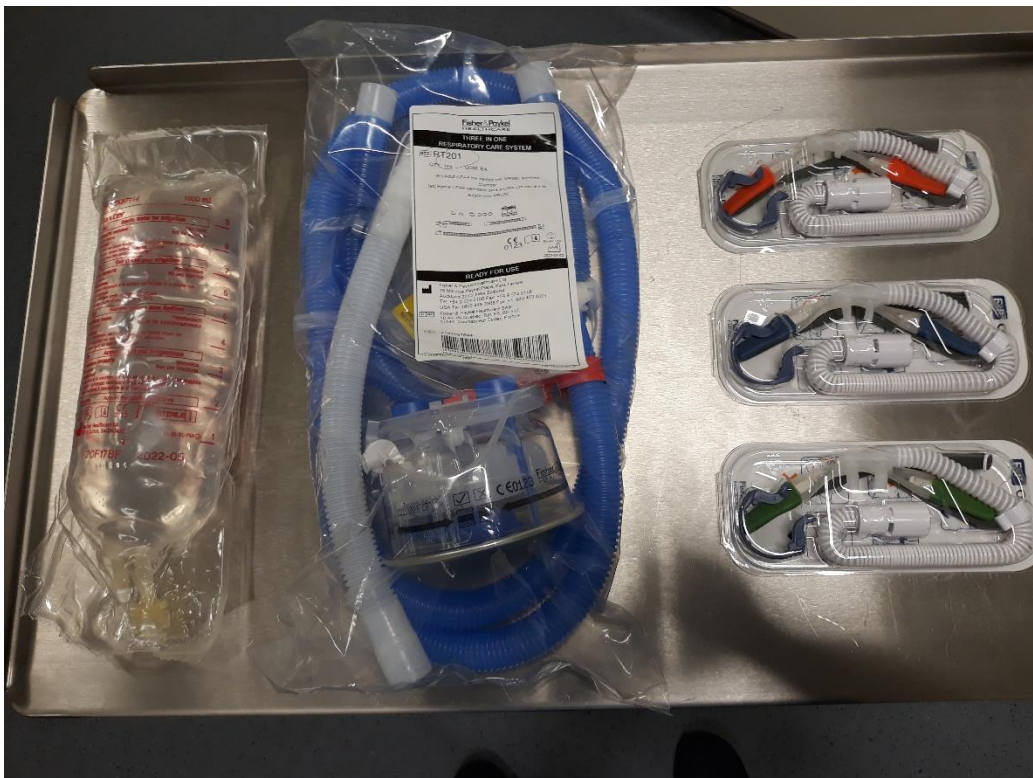
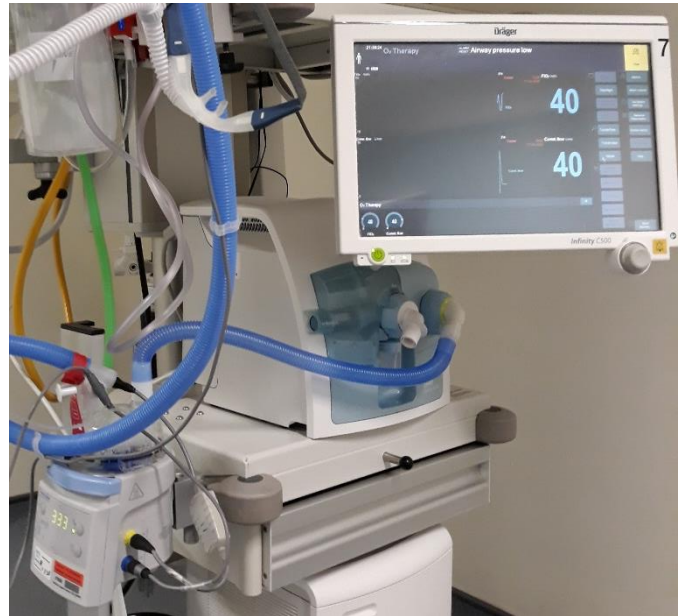
<b>Title: High-flow oxygen therapy through Draeger ventilator</b>	
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**Critical Care Guidelines  
FOR CRITICAL CARE USE ONLY**

**Set Up Guidelines**

**Components:**

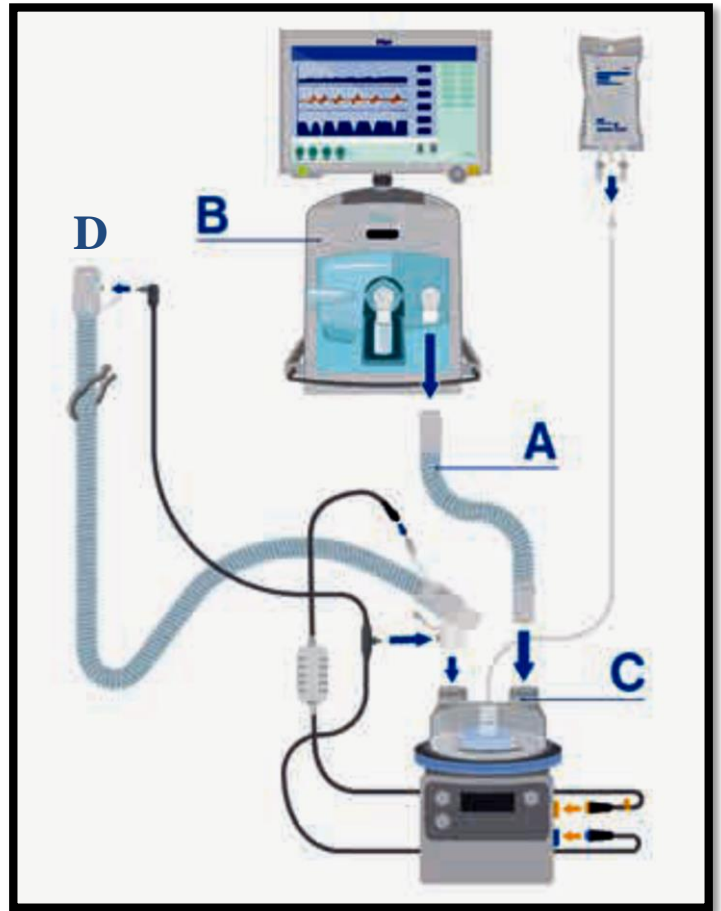
- **Ventilator (Evita XL or Infinity V500)**
- **Fisher & Paykel Humidifier and Heating Wires**
- **Humidified Breathing Circuit**
- **Sterile Water**
- **Interface (Mask, Nasal cannula size S, M and L)**



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## **Set Up Instructions:**

- 1- Set Up Humidified Circuit on Fisher and Paykel Humidifier:
  - a. Slide water chamber onto heater plate
  - b. Connect to Sterile Water infusion
- 2- Connect the short blue inspiratory hose (A) to the inspiratory port of the ventilator (B) and to the water chamber (C).
- 3- Connect the heated inspiratory hose to the second opening of the water chamber.
- 4- Connect the heating cable adaptors and temperature sensors to the humidifier and hose system.
- 5- Select the appropriate Nasal Cannula size for the patient and connect to the inspiratory hose (D).



<https://www.draeger.com/Library/Content/HI-flow-star-quick-guide-PDF-8945-en-uk-1806-1.pdf>

- 6- Switch on the Fisher and Paykel Humidifier and the temperature will adjust automatically to 37°C. The **mask therapy (A)** mode can be selected if the patient verbalises or shows signs of discomfort.



**A - Press the button until a beeping sound is heard and the light is on**

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7- For patient comfort the nasal cannula hose may run to the left or right of the patient, running in the direction of the ventilator, attaching the bed clip to the patient's clothing or bed linen.

- Change the hose side:

Step 1 – Remove the hose from the Nasal Spec



Step 2 – Position the hose on the other side



Step 3 – Connect and adjust on the Nasal Spec



8- Start the ventilator on Oxygen Therapy mode and set the parameters (Flow and FiO<sub>2</sub>).

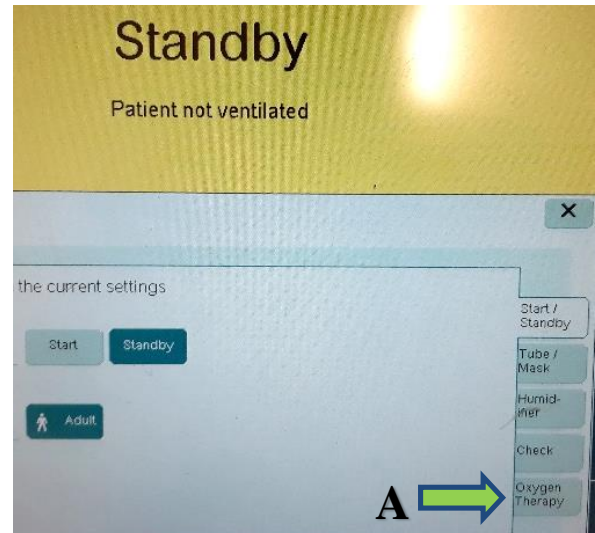


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**Set Up the Ventilator on Oxygen Therapy Mode**

**EVITA XL:**

1- On Standby menu select Oxygen Therapy. (A)

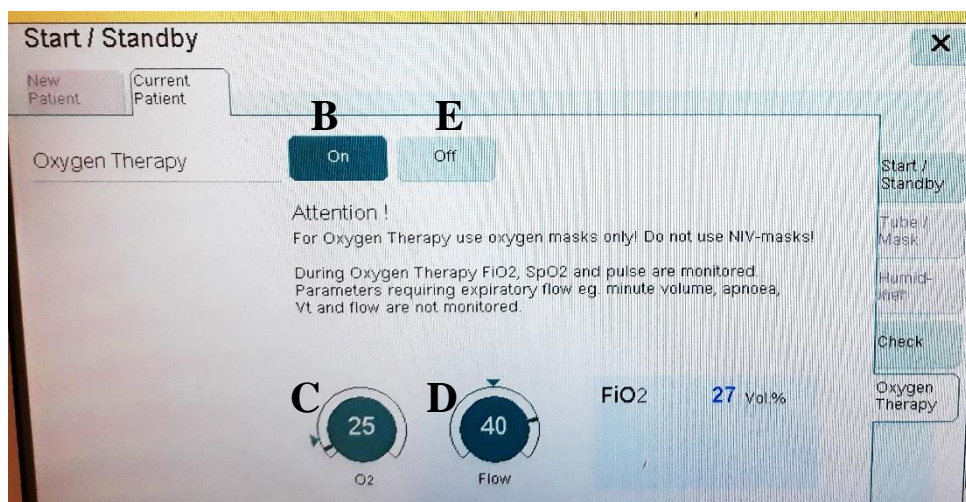


2- Select On. (B)

3- Select the FiO2 (between 21-100%). (C)

4- Select the Flow (between 30-50 L/min). (D)

**To return to invasive ventilation press Oxygen Therapy Off (E) and select Start/Standby option (F)**

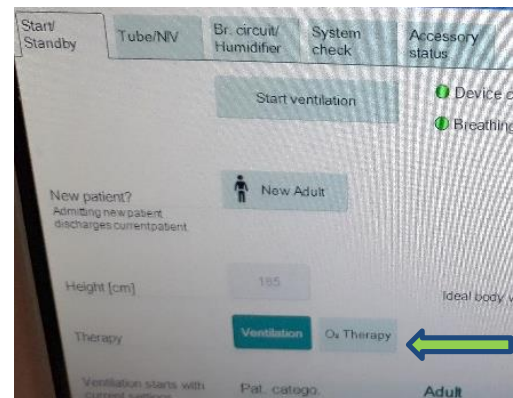


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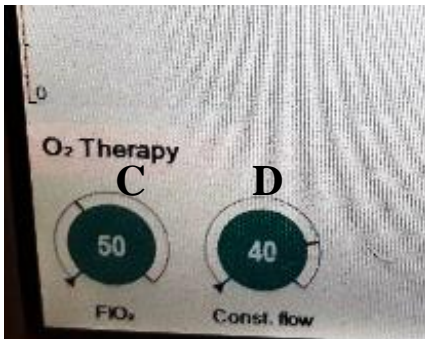
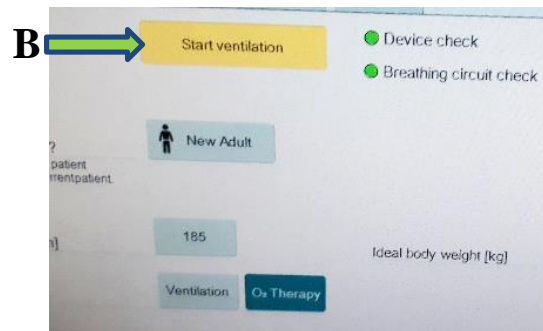
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**INFINITY V500:**

- 1- On Standby menu select O<sub>2</sub> Therapy (A) and press the knob.



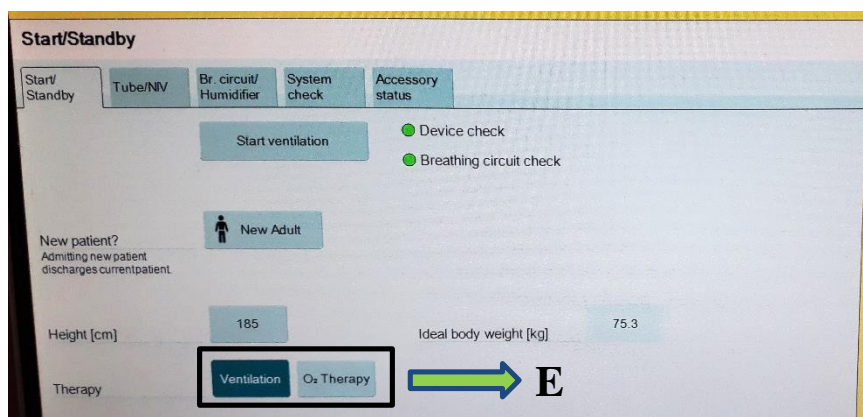
- 2- Select Start ventilation (B) and press the knob.



- 3- Select the FiO<sub>2</sub> (C) (between 21-100%).

- 4- Select the Flow (D) (between 30-50 L/min).

**To return to invasive ventilation touch Start/Standby key, on Start/Standby menu touch the Standby button and confirm with the rotary knob, switch from O<sub>2</sub> Therapy to Ventilation (E)**



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**References:**

- 1- <https://www.draeger.com/Library/Content/HI-flow-star-quick-guide-PDF-8945-en-uk-1806-1.pdf>
- 2- <https://resources.fphcare.com/resources/corporate/media/resources/resources/ui-185047970-a.pdf>