

Non Invasive Ventilation (NIV) **through Drager ventilator**



Title: Non Invasive Ventilation (NIV) through Drager ventilator	
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Status Draft/Final: Final	Approved by: QIT
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**Critical Care Guidelines
FOR CRITICAL CARE USE ONLY**

Set Up Guidelines

Components:

- 1- Ventilator (Infinity C500 or Evita V800)**
- 2- Dry Breathing Ventilator Circuit**
- 3- CO2 Filter Line (red)**
- 4- Humid-Vent Filter (Blue)**
- 5- Interface (Philips Respironics NIV Facial Mask) – size S, M or L**



NIV through Drager ventilator

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Set Up Instructions:

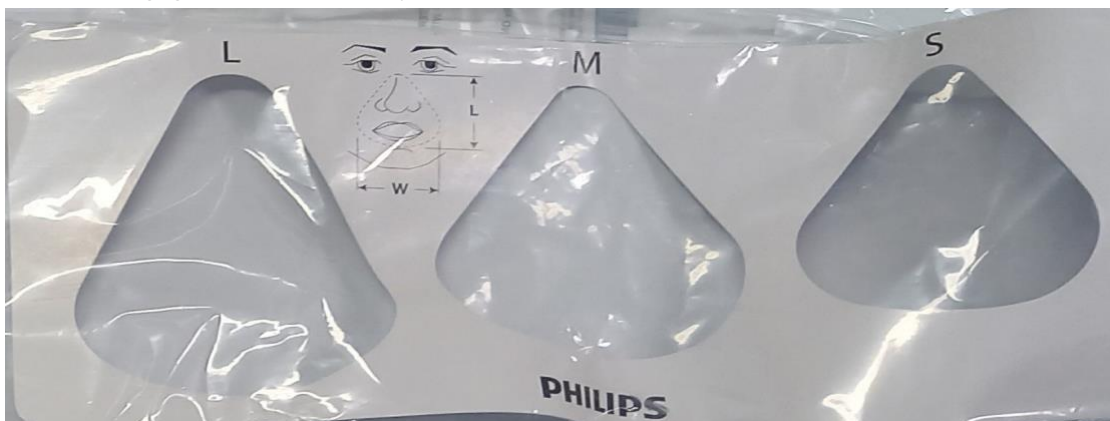
- 1- Set up the Ventilator circuit as standard for Invasive Ventilation.



- 2- Connect the CO2 Filter Line, the Blue Humid-Vent Filter to the ventilator tubes in this order.



- 3- Select the appropriate Mask size for patient. With patient mouth slightly open use the sizing guide to identify the correct size.



- 4- Attach the Mask to the ventilator tubing and start on NIV mode setting the parameters.

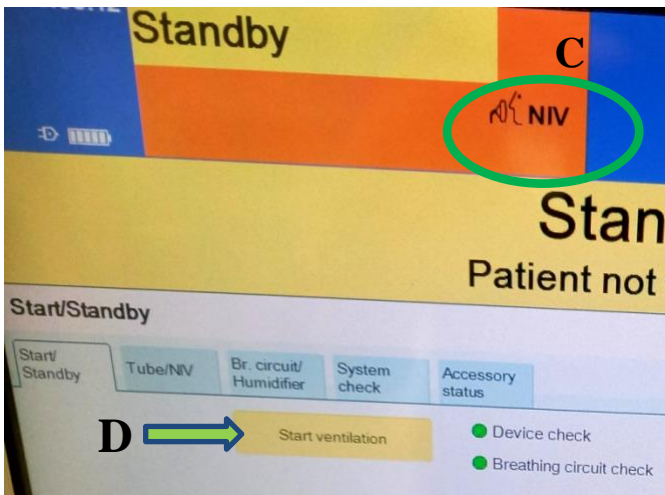
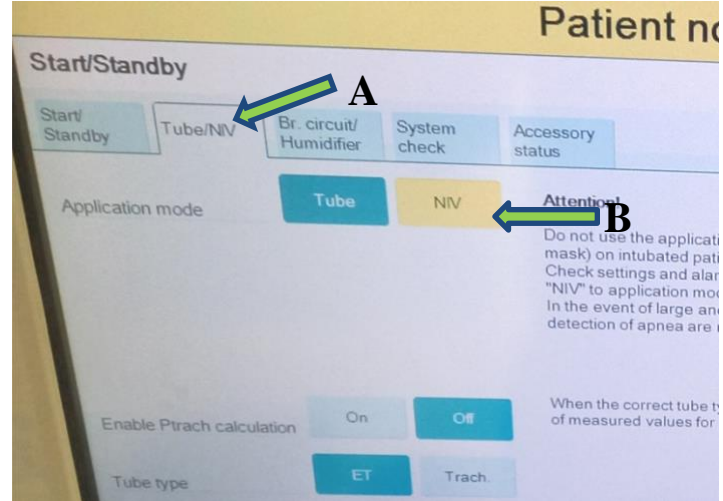
NIV through Dräger ventilator

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Set Up the Ventilator on NIV Mode

INFINITY C500:

- 1- On Start/Standby menu select Tube/NIV (A) and press the knob.
- 2 – Select NIV (B) and press the knob.



- 3- Return to the Start/Standby menu. NIV symbol visible on the top left corner (C).
- 4- Select Start ventilation (D) and press the knob.

- 5- Select the Ventilation Mode (PC-BIPAP or SPN-CPAP)
- 6- Select the FiO₂ (between 21-100%).
- 7- Select the PEEP (EPAP) – Start with 5 cmH₂O.
- 8- Select the ΔP_{supp} (IPAP) – Start with 5 cmH₂O.
- 9- On PC-BIPAP select the Respiratory Rate –
- Start with 10 RR/min.



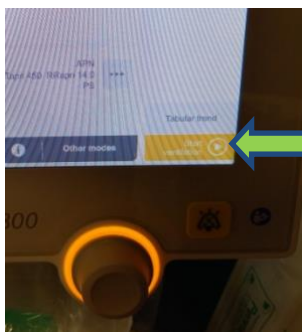
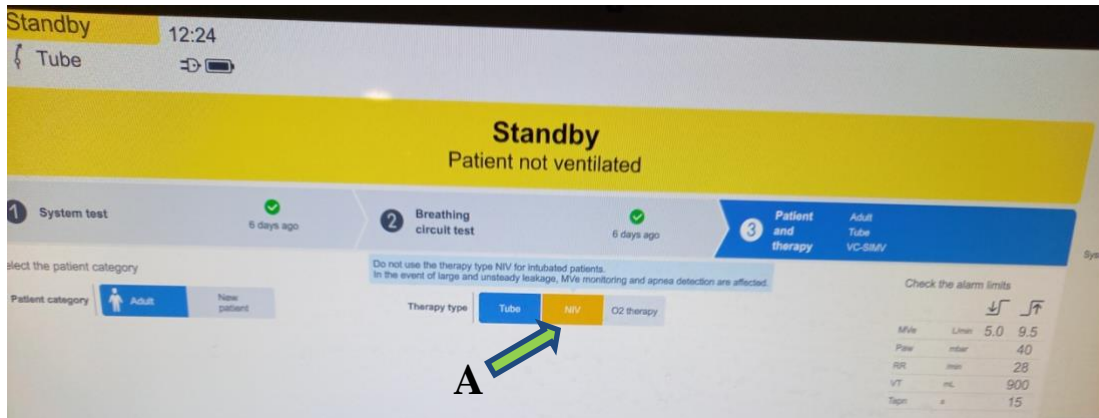
To return to invasive ventilation touch Start/Standby key, on Start/Standby menu touch the Standby button and confirm with the rotary knob, go to Tube/NIV and switch from NIV to Tube.

NIV through Drager ventilator

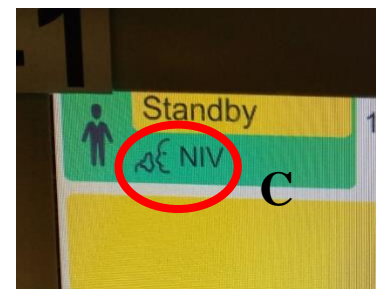
Critical Care Guidelines FOR CRITICAL CARE USE ONLY

EVITA V800:

- 1- On Standby menu/Patient and therapy select NIV (A) and press the knob.

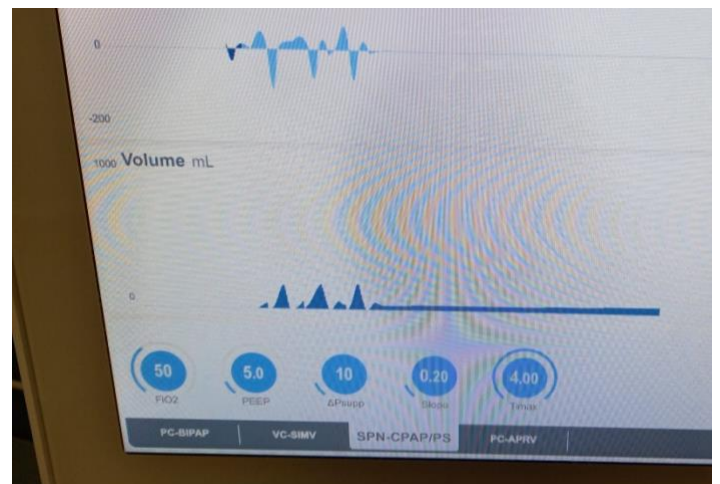


1. Select Start Ventilation (B) and press the knob.

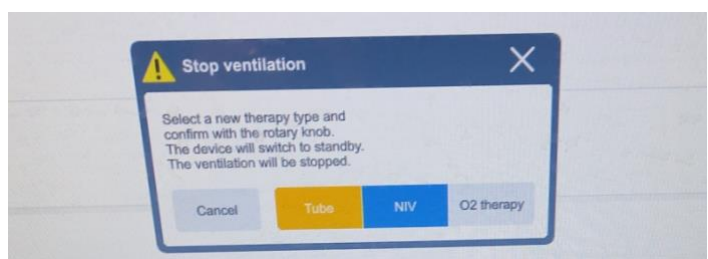
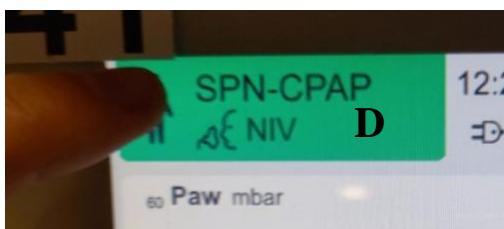


The NIV symbol can be visible on the top left corner (C).

- 2- Select the Ventilation Mode (PC-BIPAP or SPN-CPAP)
- 3- Select the FiO₂ (between 21-100%).
- 4- Select the PEEP (EPAP) – Start with 5 cmH₂O.
- 5- Select the ΔP_{supp} (IPAP) – Start with 5 cmH₂O
- 6- On PC-BIPAP select the Respiratory Rate – Start with 10 RR/min.



To return to invasive ventilation press the Top left corner of the screen (D) and select a new therapy Tube option (E)



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References:

- 1- [https://www.draeger.com/en-us us/Hospital/Ventilators](https://www.draeger.com/en-us/us/Hospital/Ventilators)
- 2- <https://www.philips.co.uk/healthcare/product/HC1120925/respironics-af541-noninvasive-ventilation-niv-mask#documents>

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