

Non Invasive Ventilation (NIV) set up for Hamilton T1 ventilator

In the IPATS hubs there are 2 packs for NIV (under 10kgs and over 10kgs)

Pack content < 10 kgs

- F&P Paediatric ventilator tubing (Please keep pressure line and bag of adaptors)
- Pink expiratory valve
- Blue flow sensor (Not required for NCPAP modes, only added in the event of invasive ventilation)
- CPAP Nasal Tubing (100mms)
- Infant Head gear sizes (x2): 17-22cm, 22-25cms, 25-29cms, 29-36cm, 35-40cm, 40-50cm.
- F&P nasal masks sizes (x2): Small, Medium, Large, extra large
- Measuring Tape

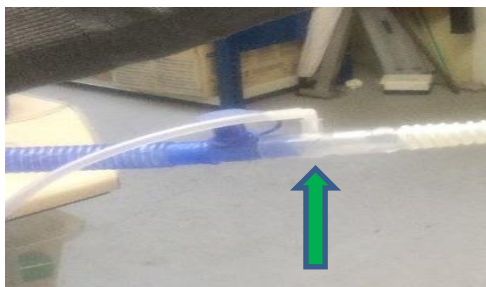
Pack content > 10kgs

- Hamilton T1 adult ventilation tubing
- Blue CPAP head strap (x2)
- 22mm non-vented white elbow
- F&P non vented face mask size (x1): small, medium, large

Set up for < 10kgs NIV



Pressure line attached (supplied with vent tubing) onto blue port of ventilator



Clear plastic extension piece with port (supplied with vent tubing) attached to the **inspiratory** limb (blue) of ventilation circuit



Pressure line attached onto clear plastic port on the inspiratory limb (blue)



Complete set up of tubing

Non Invasive mode set up

< 10kgs (Nasal masks)

- Set up ventilation circuit as above
- Select Neonatal
- Non-invasive options available on the Hamilton screen
 - ✚ NCPAP
 - ✚ NCPAP –PC
 - ✚ NIV
 - ✚ NIV –ST
- Select ventilation mode **NB: NCPAP and NCPAP –PC** are the **only** 2 modes that can be used for patients **< 10kgs**
- Enter PEEP (and PC if required), press accept.
- Prior to pressing “Start ventilation”, the pre use checks must be completed.
- Instead of flow sensor check it will require a circuit calibration check. If this is not completed it will alarm “circuit calibration required” when ventilation is started.
- In NCPAP and NCPAP-PC mode – there are “No apnoea detection” and “No disconnection detection” alarms. This is permanently displayed on the screen during use.



- Please ensure Tempus Pro **respiratory alarms** are turned on
- Select Main Menu (Blue button on bottom right hand corner)
- Select Medical Parameter Settings
- Select Respiratory Settings
- Ensure Respiratory monitoring is on (green)



> 10kgs (Face masks)

- Select Paed/Adult
- Complete pre-use checks as normal
- Non-invasive options available for **>10kgs**
 - NIV
 - NIV –ST
- Select mode required and settings
- Start ventilation
- Please ensure alarms are on as above.