High Flow set up <25L/Min (up to 12kgs)

IPATS Irish Paediatric Acute Transport Service

CCRS Critical Care & Retrieval Services

Equipment Selection

1. F&P RT330 Optiflow tubing
2. F&P RT024 extension kit
3. 1L Water for irrigation
4. Armstrong pharma HME filter

Ensure flow req is <25L before opening

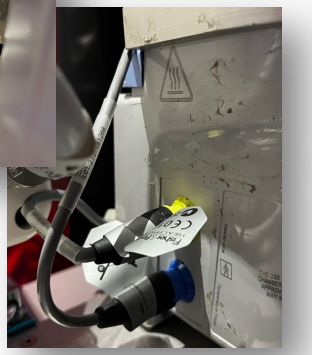
STEP 1

Place an HME filter on inspiratory port. Slide humidifier chamber onto its base & attach RT024 extension tubing to the HME & connect to the nearest port on the humidifier

Step 2

Remove humidifier cables from the bag on trolley. Connect yellow-end cable to yellow port & blue-end cable to blue port. These ports are located on the right side of the humidifier.

This may be easier to complete from the back of the trolley

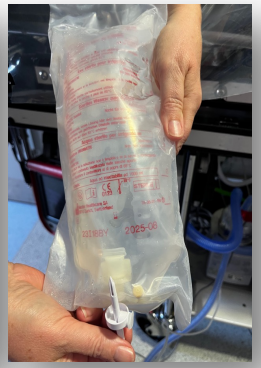


Step 3

1.Insert 3-prong probe of yellow cable into three-prong socket at the vent end of tubing. **2.**Click 'v' shaped blue probe into 'v' socket next to this. **3.** Insert this end of the tubing into the humidifier.

Step 4

At the free 'nasal cannula' end of the tubing, insert the pointed blue probe into the round socket next to the nasal cannula port. Spike the bag of water & hang to allow chamber to fill



Nasal prong selection

Select & connect appropriate size Optiflow nasal cannula based on flow required. Aiming for 2L/Kg/min up to a max of 25L on this circuit setup. Children >12Kg need the larger circuit

Hamilton set up

Turn on the Hamilton. No flow or leak test required. Set weight. Mode set up: Select Adult/Ped for all patients. In "Modes", select HiFlow 02. Set desired flow & Fi02. Turn on humidifier to NIV

O2 consumption calculation

Complete O2 calculation once high flow is established for >5mins. **1.**Select **'system'** on bottom of main screen. **2.** O_2 consumption shown on left hand side in L/min. Enter this in O_2 calc on website.