

Heated Humidified High flow therapy (HHFT) for children and young people

Appendix 3- Delivering nebulisers to patients on HHHFT

For use with regular nebuliser kit

1. Place nebuliser face mask over the top of HHHFT nasal prongs for run at 6-8 litres of oxygen. You can choose to turn the Airvo machine off or reduce the flow whilst administering the nebuliser.
2. If administering a nebuliser to a child who is under 6 months of age or a predominant nasal breather you will need to remove the Airvo nasal prongs first to ensure adequate administration of the drug. You may wish to still keep the Airvo machine on during this time for ease of continuing HHHFT therapy once reconnected to the nasal prongs afterwards.

For use with Fisher and Paykel nebuliser adapter kit

1. Add nebuliser adapter between patient hose and interface.
2. Connect nebuliser pot and administer directly through the patient interface.
3. This is not licenced for use with Airvo.



For use with Aerogen nebuliser

1. Select the Airvo Tube and Chamber Kit with Nebulizer Adapter 900PT562.
2. Add in the Aerogen solo chamber into right side of humidification chamber.
3. Insert drug via the port
4. Insert electrical driver into rectangular socket below and once plugged into electrical supply press the blue button on the handset.

The Aerogen Solo chamber can be used on the same patient for up to 28 days.



HHFT via a Tracheostomy Interface



Tracheostomy
Interface

When using Airvo 2 via a tracheostomy the device should always be in **ADULT** mode and the temperature set at **37 C** unless this is uncomfortable for the patient in which it can be set at 34C. It is essential to ensure the expiration valve on the tracheostomy direct connector interface is always clear of obstruction. When delivering nebulised drugs you can deliver via this through the tracheostomy interface using the Airvo Tube and Chamber Kit with Nebuliser Adapter and Aerogen Solo Chamber (same as the steps outlined above) or simply remove Airvo and deliver the nebuliser via a regular nebuliser kit with a tracheostomy mask run via wall/cylinder oxygen.