

Aerogen®

Pioneering Aerosol Drug Delivery

QUICK REFERENCE GUIDE

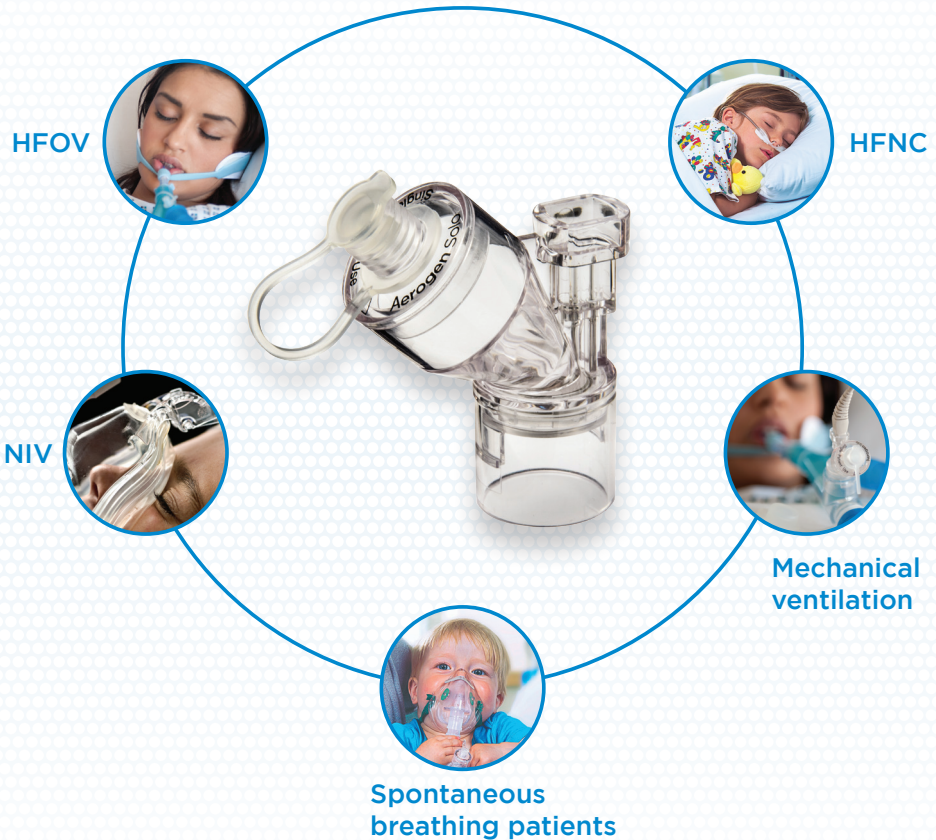


- Aerogen Ultra
- Paediatric Nasal High Flow
- Adult Nasal High Flow
- Non-Invasive Ventilation
- Dry Side of the Humidifier
- At the Wye
- Heat Moisture Exchanger (HME)
- Continuous Nebulisation
- Aerogen Solo Orientation



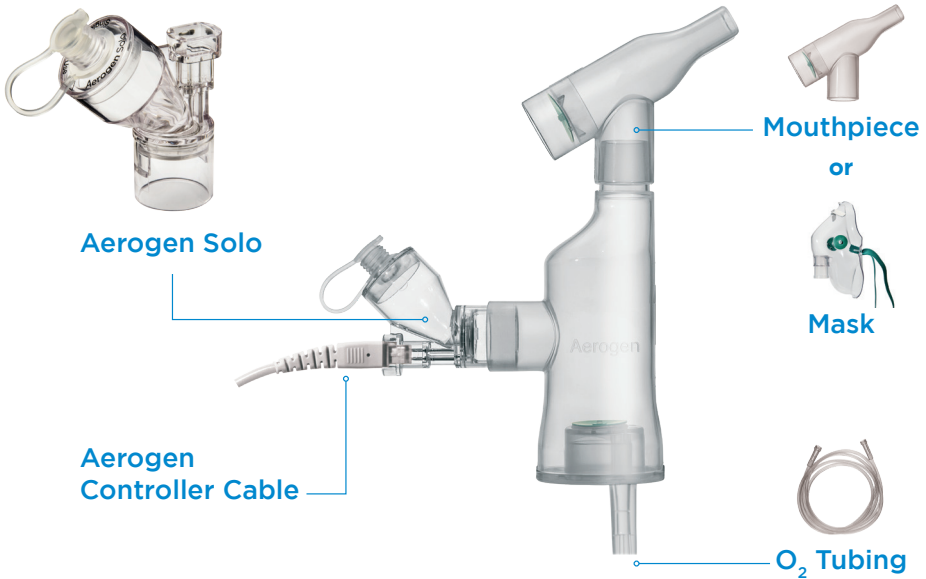
Please perform a functional test of the Aerogen Solo system prior to first use and during time in service to verify proper operation.

EVERY PATIENT, EVERY SETTING FOR AEROSOL DELIVERY*



*Please refer to the Aerogen Solo instruction manual for approved Aerogen set ups.

Aerogen Ultra



1 Place the Aerogen Solo firmly into the Aerogen Ultra.



2 Connect the Aerogen Controller cable to the Aerogen Solo - if supplemental oxygen is required, attach O₂ tubing.



3 Insert medication into the Aerogen Solo and close cap.



4 Press the on/off button on the Aerogen Controller for 1 second to select 30 minute mode.

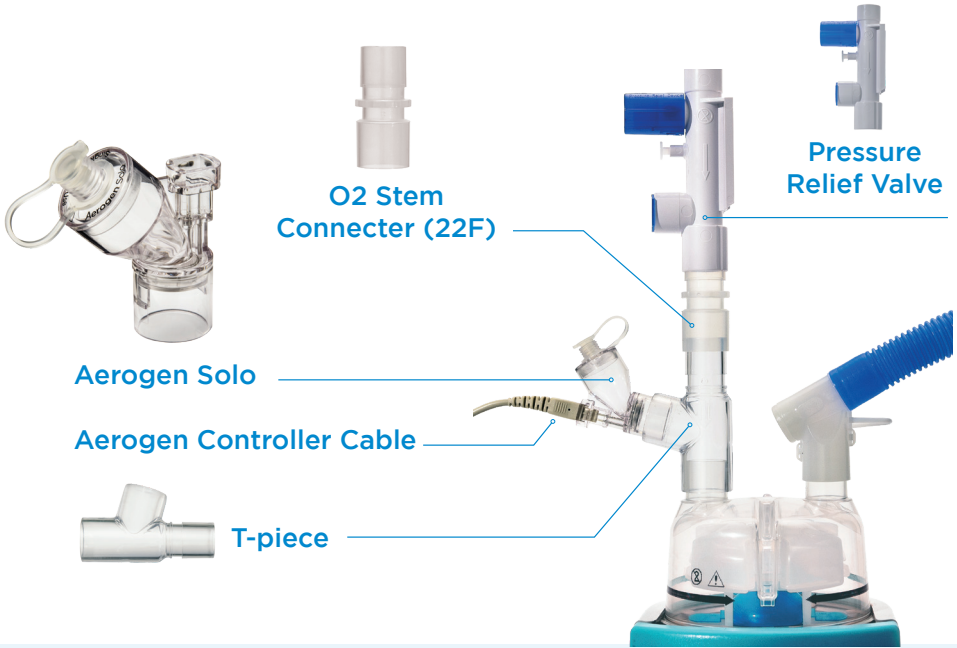


5 For continuous mode with the Aerogen Pro-X Controller, press and hold the on/off button for 3 seconds from the off position.

6 For 6 hour mode with the Aerogen USB Controller press and hold the on/off button for 3 seconds from the off position.



Paediatric Nasal High Flow



1 Place the Aerogen Solo firmly into the T-piece.



2 Insert the Aerogen Solo and the T-piece on the dry side of the active humidifier.



3 Insert medication into the Aerogen Solo.



4 Press the on/off button on either Aerogen Controller for 1 second to select 30-minute mode.

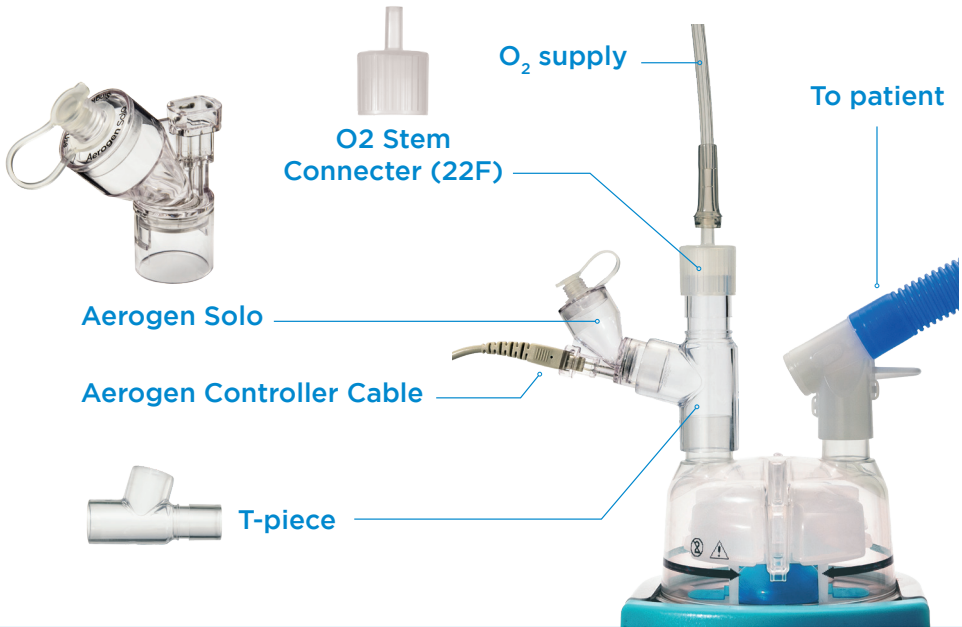


5 To operate the Aerogen Pro-X Controller in continuous mode, press and hold the on/off button for 3 seconds from the off position.



6 To operate the Aerogen USB Controller in 6-hour mode press and hold the on/off button for 3 seconds from the off position.

Adult Nasal High Flow



1 Place the Aerogen Solo firmly into the T-piece.



2 Insert the Aerogen Solo and the T-piece on the dry side of the humidifier.



3 Insert medication into the Aerogen Solo.



4 Press the on/off button on either Aerogen Controller for 1 second to select 30-minute mode.



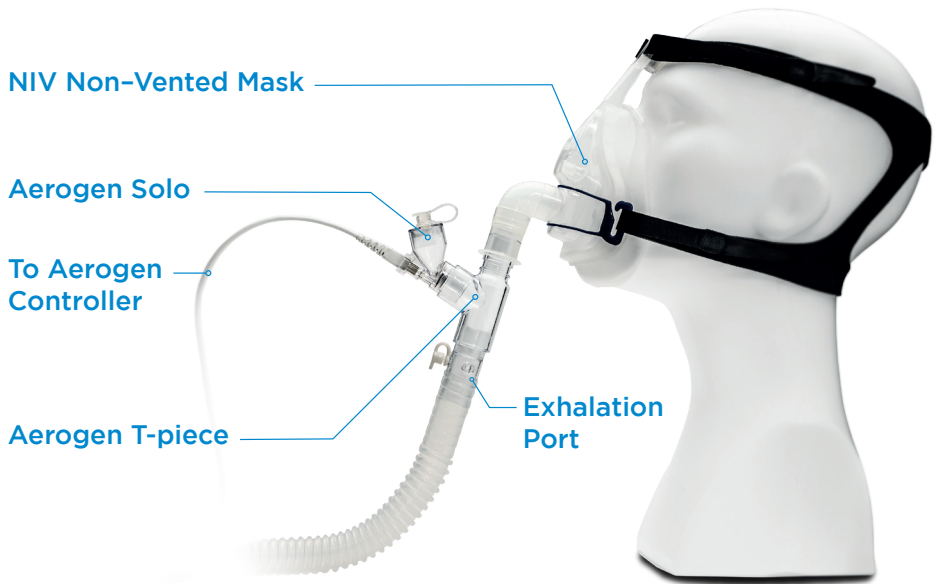
5 To operate the Aerogen Pro-X Controller in continuous mode, press and hold the on/off button for 3 seconds from the off position.



6 To operate the Aerogen USB Controller in 6-hour mode press and hold the on/off button for 3 seconds from the off position.



NIV Single limb Circuit Setup

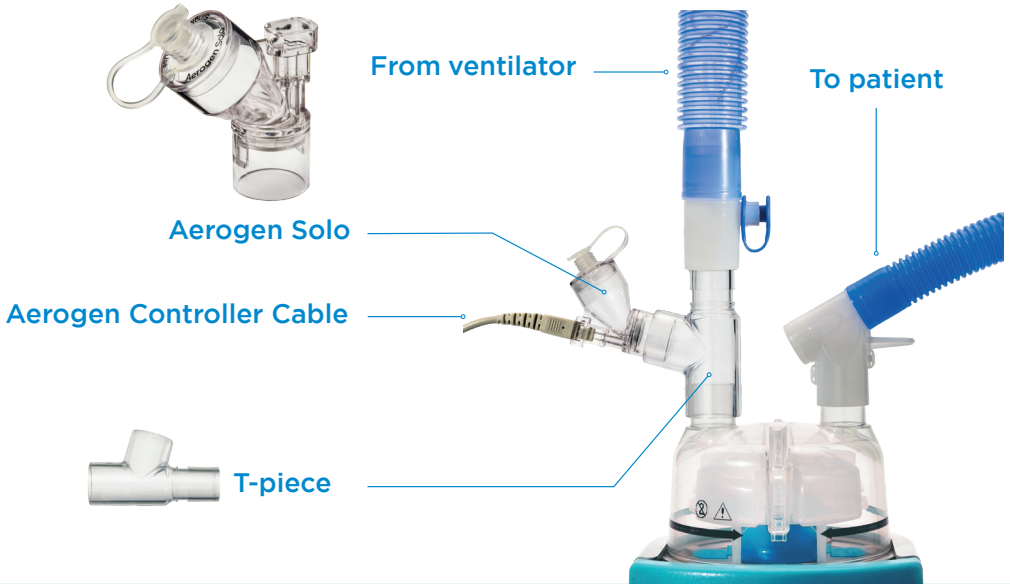


Single Limb

For single limb NIV circuits, connect the Aerogen Solo and T-piece between the non-vented mask and the exhalation port.

- 1 Place the Aerogen Solo firmly into the T-piece.
- 2 Insert the Aerogen Solo and the T-piece between the mask and the exhalation port of the single limb NIV circuit.
- 3 Place medication into the Aerogen Solo.
- 4 Press the Aerogen Controller on/off button for 1 second to select 30 minute mode.
- 5 For continuous mode with the Aerogen Pro-X Controller, press and hold the on/off button for 3 seconds from the off position.

Dry Side of the Humidifier



- 1 Place the Aerogen Solo firmly into the T-piece.



- 2 Insert the Aerogen Solo and the T-piece on the dry side of the humidifier.



- 3 Insert medication into the Aerogen Solo.



- 4 Press the on/off button on either Aerogen Controller for 1 second to select 30-minute mode.

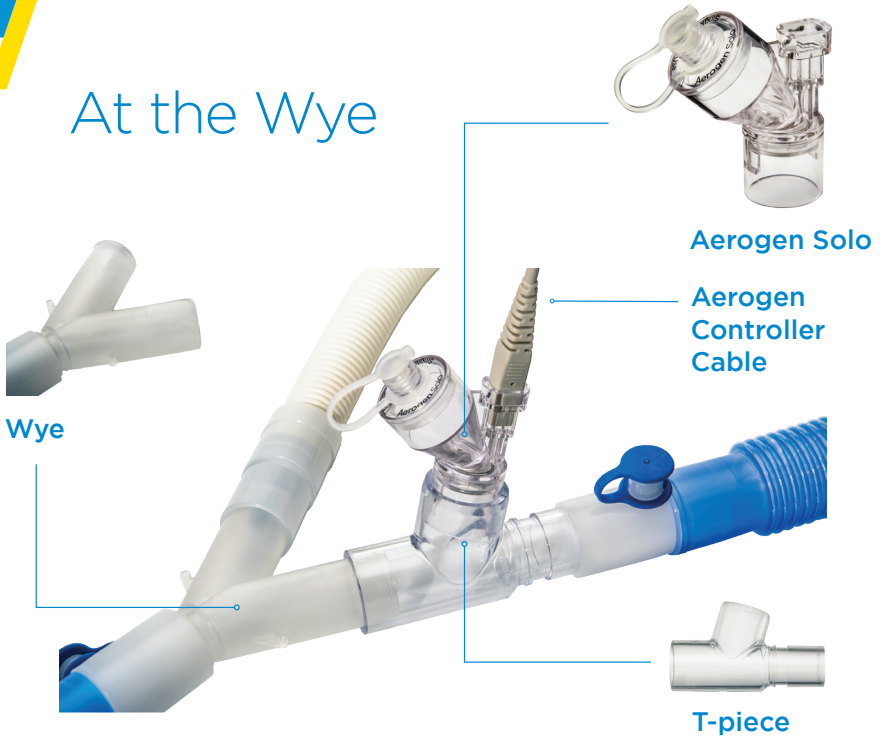


- 5 To operate the Aerogen Pro-X Controller in continuous mode, press and hold the on/off button for 3 seconds from the off position.

- 6 To operate the Aerogen USB Controller in 6-hour mode press and hold the on/off button for 3 seconds from the off position.



At the Wye



- 1 Place the Aerogen Solo firmly into the T-piece.



- 2 Insert the Aerogen Solo and the T-piece into the inspiratory limb of the breathing circuit.



- 3 Insert medication into the Aerogen Solo.



- 4 Press the on/off button on either Aerogen Controller for 1 second to select 30-minute mode.



- 5 To operate the Aerogen Pro-X Controller in continuous mode, press and hold the on/off button for 3 seconds from the off position.

- 6 To operate the Aerogen USB Controller in 6-hour mode press and hold the on/off button for 3 seconds from the off position.



Heat Moisture Exchanger

Aerogen
Controller
Cable



T-piece



Aerogen Solo



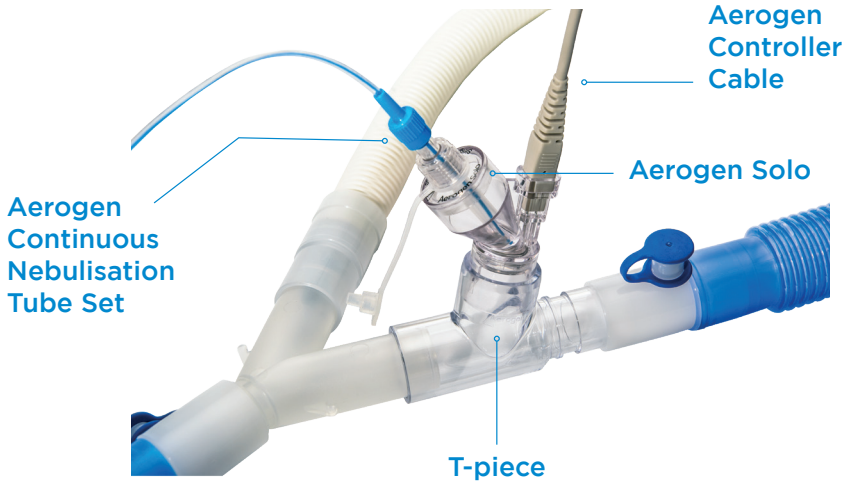
Do not use a filter or heat moisture exchanger (HME) between the nebuliser and patient airway.

Ensure that the total combined volume of nebuliser, T-piece and HME is suitable for the tidal volume being delivered and does not increase dead space to the extent that it adversely impacts the ventilatory parameters of the patient.

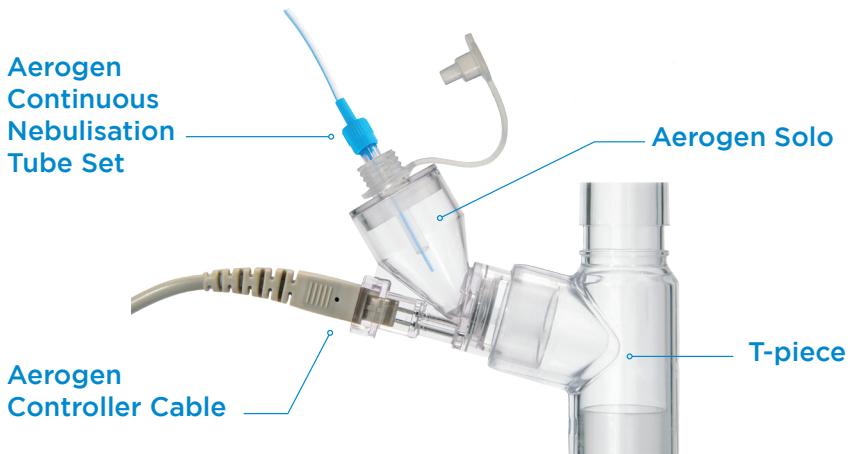


HME set up shown is for illustration purposes only. Aerogen Solo, T-piece and Controller Kit are supplied by Aerogen. Consult manufacturer of other parts for usage guidelines. Ensure HME is approved for use with a nebuliser. Always follow HME manufacturer's Instructions for Use. For Aerogen Solo Directions for Use visit aerogen.com.


Continuous Nebulisation At the Wye

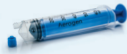


Dry Side of the Humidifier




Continuous Nebulisation

- 1 Remove the syringe cap from the medication filled syringe and remove any air from the syringe. 



- 2 Attach the syringe end of the tubing to the syringe.



- 3 Visually check there is no air in the syringe. 

- 4 Prime the tubing until the medication reaches the end of the tubing.

(Note: The maximum tubing priming volume is 3.65mL.)



- 5 Unplug the tethered cap from the Aerogen Solo, but do not remove it from the nebuliser. Screw the nebuliser end of the tubing onto the top of the nebuliser.



- 6 Insert the syringe filled with medication into the syringe pump (refer to pump manual or manufacturer for guidance on pump usage).



Turn on continuous mode on the Controller. Press & hold the on/off button for 3 seconds from the off position to select continuous mode.

Verify that the green “continuous nebulisation” indicator light is on.

Visually inspect that the aerosol is being produced.



- This set up is for illustration purposes only.
- Aerogen Solo, T-piece and Controller Kit are supplied by Aerogen. Consult manufacturer of other parts for usage guidelines.
- The maximum tubing priming volume is 3.65mL.
- Input rate of medication into the Aerogen Solo nebuliser during continuous nebulisation is up to a maximum of 12ml per hour. The upper limit of 12ml/hour is based on Aerogen's specification for the minimum nebuliser flow rate.
- During continuous nebulisation, the nebuliser is continuously on and the medication is nebulised on a drop-by-drop basis.
- Nebulisation should be visible with regular intermittent pauses.
- Medication level in the nebuliser reservoir should not rise during use.
- Replace both the tube set and syringe when changing the type of medication.
- If the syringe needs to be replaced during use (even when empty), turn off the syringe pump and disconnect the nebuliser end of the tube set first. Failure to do this may result in primed medication in the tube flowing into the nebuliser reservoir.
- For further information please consult the Aerogen Solo Instruction Manual.

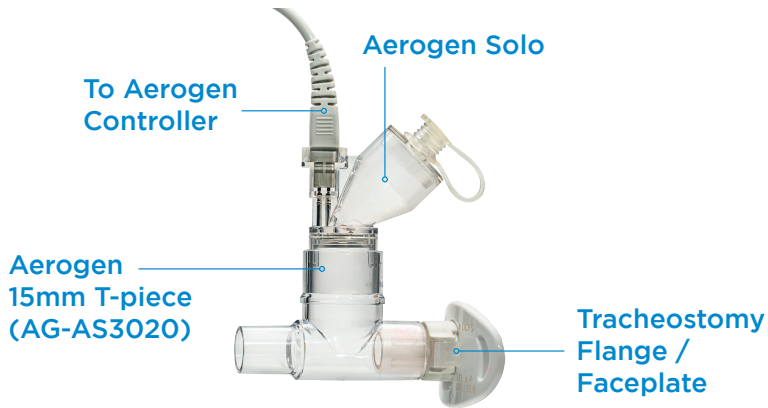
Continuous Nebulisation



Filling the Continuous Nebulisation Syringe

- 1 The syringe is usually filled with medication by pharmacy and provided to the clinician to deliver the therapy.
- 2 To fill the syringe, pull the plunger down and fill from the tip of the syringe.
- 3 Place the cap on the syringe to store the filled syringe.

Tracheostomy Set Up



Spontaneously Breathing

- 1 Place the Aerogen Solo firmly into the T-piece.
- 2 Attach the Aerogen Solo and T-piece to the tracheostomy tube assembly.
- 3 For extra length, insert a connector or extension,* as required, to support the additional weight of the Aerogen Solo on an adjacent surface to reduce risk of de-cannulation and/or to increase patient comfort.
- 4 Place medication into the Aerogen Solo.
- 5 Press the Aerogen Controller on/off button for 1 second to select 30 minute mode.
- 6 For continuous mode with the Aerogen Pro-X Controller, press and hold the on/off button for 3 seconds from the off position.

Contraindications

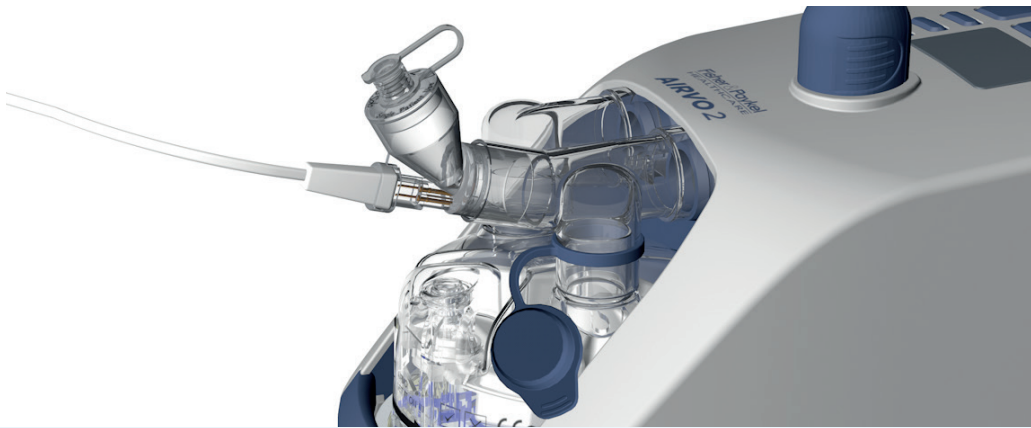
Do not use the Aerogen Solo with neonatal tracheostomised patients. The total combined volume of the Aerogen Solo, T-piece and tracheostomy tube assembly may increase the dead-space to the extent that it adversely impacts the respiratory parameters of the neonatal patient.

Warnings

- 1 The combined weight of the tracheostomy tube assembly, nebuliser and T-piece configurations may cause de-cannulation.
- 2 Ensure that the total combined volume of nebuliser, T-piece and tracheostomy tube assembly is suitable for the tidal volume of the patient and does not increase dead space to the extent that it adversely impacts the respiratory parameters of the patient.

Aerogen Solo and the F&P Airvo™ 2

Using the Aerogen Solo with the Airvo Neb tube and chamber kit



- 1 Assemble the Airvo Neb tube and chamber kit as per the instructions provided by Fisher and Paykel Healthcare.
- 2 Attach the Aerogen Solo.
- 3 Insert the controller cable into the Aerogen Solo.
- 4 Place medication into the Aerogen Solo.
- 5 Press the Aerogen Controller on/off button for 1 second to select 30 minute mode.
- 6 For continuous mode with the Aerogen Pro-X Controller, press and hold the on/off button for 3 seconds from the off position.

Refer to the Fisher and Paykel Airvo 2 User Instruction Manual for instructions regarding the use of the Airvo 2. Note the Airvo Neb tube and chamber kit may not be available in all markets.

Aerogen Solo Orientation



For optimum use of the Aerogen Solo please ensure that it is in the optimum orientation at all times, in both continuous and intermittent settings.