



Trainee Name:	Trained by: (Signature)
Pass / Fail (circle) Date:	

Competency workflow		Achieved (✓ or NA)	Achieved (✓ or NA)
Setting up the Airvo™ 3			
Install the water chamber		Connect the heated breathing tube	
Spike the water bag and open the vent cap		Connect the patient interface	
Using the Airvo 3			
Switch the device on			
Review disinfection state (select depending on reprocessing method)			
Disinfection kit only		Washer-disinfector	
Observe traffic light for disinfection status		Select new patient	
Interpret disinfection status		Confirm clean, disinfected outlet elbow is installed	
Set therapy settings			
Change the humidity setting		Change the flow setting	
Start therapy			
Lock the device			
Interpret the key therapy alarms (e.g., "Leak detected", "Blockage detected", "Check water")			
Stop therapy			
Transportation (battery mode)			
Check the battery percentage of the device			
Unplug the device from the wall power supply			
Reconnect the device to the wall power supply			
Adding supplementary oxygen			
High-pressure Oxygen (HPO) input		Low-pressure Oxygen (LPO) input	
Connect high-pressure oxygen hose to the HPO source (ensure LPO is not connected)		Connect oxygen tubing to the LPO inlet port (ensure HPO is not connected)	
Change the FiO ₂ on the device		Adjust the FiO ₂ at the flow meter	
Changing from HPO to LPO		Changing from LPO to HPO	
Turn off and disconnect the high-pressure oxygen source		Turn off and disconnect the low-pressure oxygen source	
Connect the oxygen bottle to the Airvo 3 LPO inlet port		Connect the oxygen bottle to the HPO inlet port	
Turn on the oxygen bottle		Turn on the oxygen bottle	
Adjust the FiO ₂ at the oxygen flow meter		Change the FiO ₂ on the device	
If using the HPO dual input manifold with two high-pressure oxygen sources			
Connect/turn on the oxygen bottle			
Turn off and disconnect the stationary oxygen source			
Check the FiO₂ on the device			
Reconnect and turn on the stationary oxygen source			
Turn off the oxygen bottle			
Reprocessing the Airvo 3			
Turn off the device			
Identify and dispose of single-use consumables			
Clean the outside surface of the device (including the outlet elbow) and remove any residue			
Disinfect the outside surface of the device (including the outlet elbow) and remove any residue			
Thoroughly wipe all outside surfaces of the device (including the touch screen) with a dry cloth			
Reprocessing the outlet elbow (select depending on reprocessing method)			
Disinfection kit		Washer-disinfector	
Securely connect the disinfection tube		Remove the outlet elbow	
Turn on the device		Appropriately package elbow for transport to CSSD	

Verification of Understanding

Correct
(✓ or ✗)

What visual cues indicate that the water chamber is incorrectly installed?	
Is it OK to use saline or filtered tap water in the water chamber and why/why not?	
Other than Optiflow™ nasal interfaces, what other types of patient interface are available for use with the Airvo 3?	
When sizing the Optiflow nasal interface, do you need to seal (occlude) the patient's nares for the device to work and why/why not?	
When using the Airvo 3 on a new patient, what should you check has been performed?	
What can you do to temporarily mute audible alarms?	
To minimise build up of condensate in the tube, you should place the Airvo 3 below head height so the condensate can drain back into the chamber. (True / False)	
What potential sources of cooling near the tube should be avoided to prevent condensate?	
The Airvo 3 automatically switches to HPO when connected. (True / False)	
Will changing from HPO to LPO generate an alarm? Do you have to decrease the target FiO ₂ ?	
When using LPO, changing the Airvo 3 flow rate will affect FiO ₂ and require adjustment at the flow meter. (True / False)	
You can supply oxygen to the HPO inlet and LPO inlet at the same time. (True / False)	
How many minutes will a fully charged battery typically last? How long does it take to fully recharge?	
After transport you should reconnect the Airvo 3 to wall power, and wall oxygen if using supplementary oxygen. (True / False)	
<i>If using the disinfection kit only:</i> When you see an orange traffic light at start up, what does this mean?	
<i>If using the disinfection kit:</i> Can the Airvo 3 run a disinfection cycle in battery power mode? What if wall power is disconnected during a cycle?	
If using the dual input manifold...	
When switching oxygen sources, do you disconnect the high-pressure oxygen hose at the dual input manifold end or the wall oxygen end. (Wall oxygen / Dual input manifold)	
When connected to wall oxygen and an open oxygen bottle, the Airvo 3 will draw from the oxygen bottle. (True / False)	



Download the Airvo 3 Simulator App



Watch the Airvo 3 setup videos



Verification of Understanding (answer key)

Correct
(✓ or ✗)

<p>What visual cues indicate that the water chamber is incorrectly installed? There will be a visible gap between the coloured finger guard and the device.</p>	
<p>Is it OK to use saline or filtered tap water in the water chamber and why/why not? No, distilled or sterile water are the only products that should be used. Anything else will damage the water chamber and (as a result) it may need to be replaced more often.</p>	
<p>Other than Optiflow™ nasal interfaces, what other types of patient interface are available for use with the Airvo 3? Tracheostomy interface (OPT970) and mask adapter (OPT980).</p>	
<p>When sizing the Optiflow nasal interface, do you need to seal (occlude) the patient's nares for the device to work and why/why not? No, you should NOT seal/occlude the nares as Optiflow nasal high flow therapy requires an open system.</p>	
<p>When using the Airvo 3 on a new patient, what should you check has been performed? The Airvo 3 has been cleaned and disinfected since last use (green traffic light at start up or a clean removable elbow has been installed).</p>	
<p>What can you do to temporarily mute audible alarms? Press the mute button on the bottom right corner of the screen to silence the alarm for approximately 2 minutes. The auditory alarm can be reactivated by pressing the mute button again.</p>	
<p>To minimise build up of condensate in the tube, you should place the Airvo 3 below head height so the condensate can drain back into the chamber. (True / False)</p>	
<p>What potential sources of cooling near the tube should be avoided to prevent condensate? Examples include fans, air conditioning units or open windows</p>	
<p>The Airvo 3 automatically switches to HPO when connected. (True / False)</p>	
<p>Will changing from HPO to LPO generate an alarm? Do you have to decrease the target FiO₂? Yes, a "No O₂ Pressure at HPO port" alarm will sound. You must decrease the target FiO₂ to 21% (room air) and confirm the decrease in FiO₂ was intentional to switch from HPO to LPO.</p>	
<p>When using LPO, changing the Airvo 3 flow rate will affect FiO₂ and require adjustment at the flow meter. (True / False)</p>	
<p>You can supply oxygen to the HPO inlet and LPO inlet at the same time. (True / False)</p>	
<p>How many minutes will a fully charged battery typically last? How long does it take to fully recharge? A fully charged battery will typically last 40 minutes and take up to 6 hours to fully recharge.</p>	
<p>After transport you should reconnect the Airvo 3 to wall power, and wall oxygen if using supplementary oxygen. (True / False)</p>	
<p><i>If using the disinfection kit only:</i> When you see an orange traffic light at start up, what does this mean? The Airvo 3 has not been cleaned and disinfected since last use. This Airvo 3 is NOT safe for use on a new patient.</p>	
<p><i>If using the disinfection kit:</i> Can the Airvo 3 run a disinfection cycle in battery power mode? What if wall power is disconnected during a cycle? No, the Airvo 3 must be connected to wall power to start and complete a disinfection cycle. If power is disconnected mid-cycle the device must be reconnected and the disinfection cycle must be restarted from the beginning.</p>	
<p>If using the dual input manifold...</p>	
<p>When switching oxygen sources, do you disconnect the high-pressure oxygen hose at the dual input manifold end or the wall oxygen end. (Wall oxygen / Dual input manifold)</p>	
<p>When connected to wall oxygen and an open oxygen bottle, the Airvo 3 will draw from the oxygen bottle. (True / False)</p>	

This document is applicable to Airvo 3 models with firmware version 1.5.1 and above and is an optional document for training purposes and does not replace the user manual. Each hospital area is responsible in maintaining their own training records