





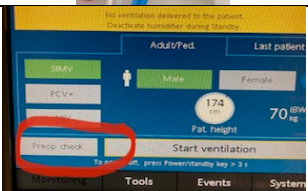
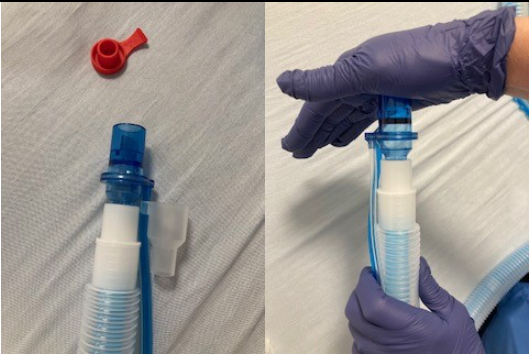
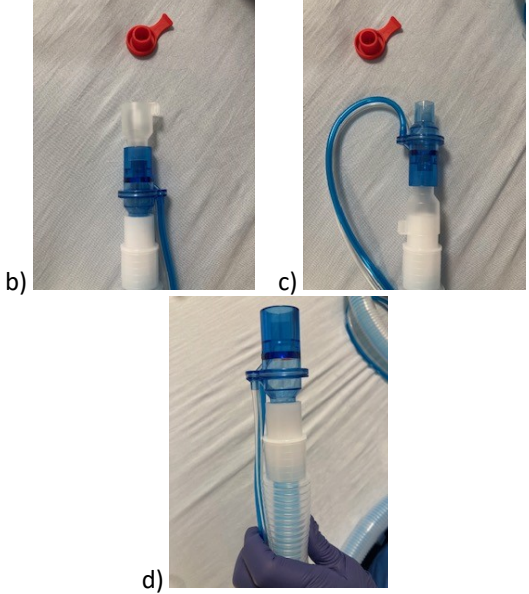
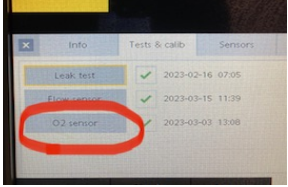



Hamilton T1 Ventilator Standard Operating Procedure

Circuit Assembly & Pre-use Checks

Please apply the following procedures for patients >10kg. For patients <10kg see 'Standard Operating Procedure: Neonatal'

Instruction	Example / Note
<p>1. Items required:</p> <p>Circuit pack (code: 260207) containing;</p> <ul style="list-style-type: none"> - Disposable coaxial circuit - Disposable proximal flow sensor - Disposable expiratory valve 	
<p>2. a) Connect AC power cable to wall or check battery level sufficient.</p> <p>b) Connect oxygen hose to cylinder or wall outlet (if supplementary oxygen is required).</p> <p>c) Turn power ON (hold power button briefly and allow auto start up procedure to complete).</p> <p>d) Ensure no major faults indicated (RED flashing light and accompanying error message).</p>	
<p>3. a) Open circuit pack.</p> <p>b) Detach expiratory valve from disposable circuit. <u>Ensure rubber membrane cap remains attached to expiratory valve.</u></p> <p>c) Insert expiratory valve into expiratory port (membrane cap first) and rotate clockwise until click felt.</p>	
<p>4. Connect coaxial circuit ends to inspiratory port and expiratory port as shown.</p>	
<p>5. Separate ends of proximal flow sensor tubing as shown.</p>	
<p>6. Connect proximal flow sensor tubing to ventilator (blue to blue, clear to white).</p>	
<p>7. Select 'Preop check' on standby screen (bottom left).</p>	

8.	<p><u>Leak test</u></p> <p>a) Don gloves.</p> <p>b) Remove red cap from end of circuit.</p> <p>c) Select “Leak test” and follow instructions on screen.</p> <p>d) Block end of flow sensor (dark blue part) and release when instructed.</p> <p>GREEN tick indicates successful test. RED cross requires repetition of above steps.</p>	
9.	<p><u>Flow sensor check</u></p> <p>a) Select “Flow Sensor” and follow instructions on screen.</p> <p>b) When prompted, attach calibration adapter (opaque part) to the end of the flow sensor.</p> <p>c) When prompted, flip both parts 180° so the calibration adapter is directly connected to the coaxial circuit.</p> <p>d) Remove calibration adapter (don't throw away) and return flow sensor adaptor to original position as shown.</p> <p>GREEN tick indicates successful test. RED cross requires repetition of above steps.</p>	
10.	<p><u>O2 sensor check</u></p> <p>To be performed once every 4 weeks. Confirm if date of last check within 4 weeks.</p> <p>Press O2 sensor check and allow calibration to complete if required.</p>	
12.	<p>Once three GREEN ticks appear on Pre-op check menu:</p> <p>Connect ventilator tubing as per departmental protocol (ETT > catheter mount > HME Filter > capnography > ventilator circuit).</p> <p>Select desired ventilator settings and input patient specific information (sex, height).</p>	
<p>For further information, support or queries please contact: Jake Maxwell, UK Manager, Eden Medical UK 07551 171280 Jake.maxwell@edenmedical.co.uk</p>		

Document control

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