

HAMILTON T1 TURNAROUND AND DEVICE CHECK

1. Take expiratory valve* from right hand cupboard opposite Technologist's room, and "normal" dual limb breathing circuit, HME filter, and catheter mount from grey bins and CO2 cuvette from cupboard above sink in Technologist's room. Place label from SSD expiratory valve packaging onto "ICU VENTILATOR DECONTAMINATION AND CHECK" form.
2. Assemble expiratory valve, (ensure metal disc on white membrane is facing towards you and membrane seated correctly around rim of valve). Place onto expiratory port making sure white membrane side goes in first and twist to left before fully twisting to the right once it is firmly in. Keep SSD packing with the vent.
3. Attach breathing circuit (remove red bung to keep, and remove extra clear connector from one limb which isn't required - keep plastic bag) onto inspiratory and expiratory ports on right side of ventilator, then flow sensor (keep clear connector in bag for calibrating) onto y-piece of circuit and other end peel apart blue/clear flow sensor tubing and place onto corresponding ports above the limb – note white port is for clear tube. Then connect HME and catheter mount.
4. Connect O2 hose, and plug T1 into mains.
5. Switch T1 on, via on / off switch top right of front screen. T1 does self tests, and displays standby screen.
6. Now in standby select "Pre-op Check", bottom left of screen, then select "Flow Sensor", follow instructions to turn flow sensor (remember you need the clear connector when it asks you to turn flow sensor, otherwise it won't connect to the breathing circuit). Then turn it back when prompted and keep the clear connector – in SSD bag.
7. Select "Tightness", follow instructions it will say "disconnect patient", then "tighten patient system" – use red cap placed onto catheter mount to tighten patient system. After complete will say "connect patient" briefly which means it has passed and ready for use. Leave red cap on to show circuit is new.
8. Generate an alarm by unplugging from mains, should display "loss of external power" and this is to check ventilator alarm system is working.
9. Only calibrate O2 if necessary.
10. Switch off ventilator by pressing and holding top right button for 3 seconds.
11. Place bag breathing circuit came in, over the filter and catheter mount to show clean circuit
12. Complete and attach the first part of the "ICU VENTILATOR DECONTAMINATION AND CHECK" form, ready for second part to be completed before T1 attached to patient.
13. Attach sidestream CO2 tubing to T1.

After use throw away circuit, flow sensor tubing, HME filter, CO2 cuvette and catheter mount. Remove blue expiratory valve by twisting to the left and send complete with white membrane to SSD by placing into red striped used instrument bag, into red SSD box in sluice. Clean down outside of T1 with Clinell Universal sanitising wipes. Complete first part of "ICU VENTILATOR DECONTAMINATION AND CHECK" form – forms in holder on Technologists door. Check air intake filter on left side – if dirty you can wipe off excess dust and then let Technologist know for further cleaning. Wearing PPE remove patient tubing, place in bin with yellow bag and wipe down with Universal Sanitising wipe.

* If all the expiratory valves are in SSD please reuse and clean current one as best as possible, and ensure an HME filter is used with the circuit. Inform Support Assistants/Technologist or contact 7238 to chase.