

## **HAMILTON G5 TURNAROUND AND DEVICE CHECK**

- Take expiratory valve, flow sensor, breathing circuit, HME filter, and catheter mount from grey bins in Technologist's room. Place label from SSD expiratory valve packaging onto "ITU VENTILATOR DECONTAMINATION AND CHECK" form.
- Assemble expiratory valve, making sure metal disc on red membrane is facing towards you and membrane seated correctly around rim of valve. Place onto ventilator by twisting until wings on valve are tight against the two black pieces underneath ventilator. Keep packing on top of vent.
- Attach breathing circuit (keep red bung from circuit, and plastic bag, remove extra clear connector), then connect flow sensor – it only fits one way onto circuit, and on ventilator blue tube and clear tube to same coloured outlets (keep clear connector that comes in bag, as this is required for calibrating, but not for use in the circuit set up), next HME filter, and catheter mount.
- Connect O2 and air hoses, and plug G5 into mains.
- Switch G5 on, via on / off switch at the back. G5 does self tests, and displays standby screen.
- Now in standby select "System", "Tests & Calib".
- Select "Flow Sensor", follow instruction at top left of screen (remember you need the clear connector when it asks you to turn flow sensor, otherwise it won't connect to the breathing circuit)
- Select "Tightness", follow instructions at top left of screen and use red cap attached to catheter mount to tighten patient system. Should say "Patient system tight".
- Unplug from mains, and check ventilator alarm is working.
- Only calibrate O2 if necessary.
- Switch off ventilator.
- Place bag breathing circuit came in, over the filter and catheter mount to show clean circuit
- Complete the first part of the "ITU VENTILATOR DECONTAMINATION AND CHECK" form, ready for second part to be completed before G5 attached to patient.

- After use throw away ventilator circuit, HME filter, CO2 cuvette (if used) and catheter mount. Send expiratory valve back to SSD by placing into red striped used instrument bag, into red SSD box in sluice. Clean down outside with sanitising wipes. Complete first part of "ITU VENTILATOR DECONTAMINATION AND CHECK" form – forms in holder on Technologists door. Check filter at back – if dirty replace from Hamilton cupboard in Technologists room (see page 11-14 in the manual on the G5)