

Set-up and Maintenance of Ventilator Circuits, Filters & Closed Suction-

Ventilator tubing is changed between patients, or when soiled or damaged.

Dry circuits, with heat and moisture exchange filters (HMEFs), are used routinely. HMEFs are changed every 24 hours, or when soiled, or damaged.

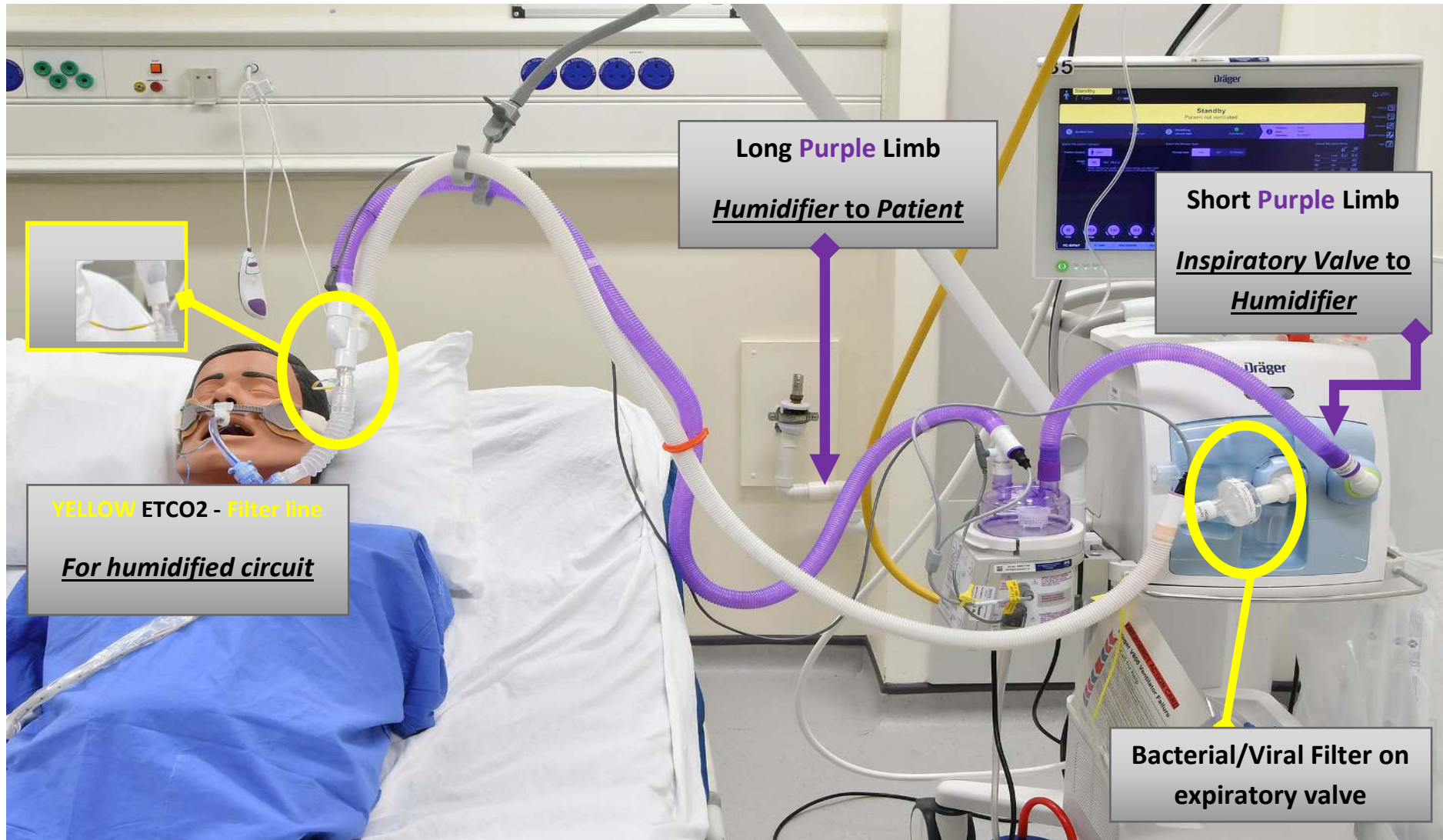
Humidified Circuits do not required HME but Bacterial/Viral Filters are used (see below). These circuits are changed after 14 days or when soiled or damaged.

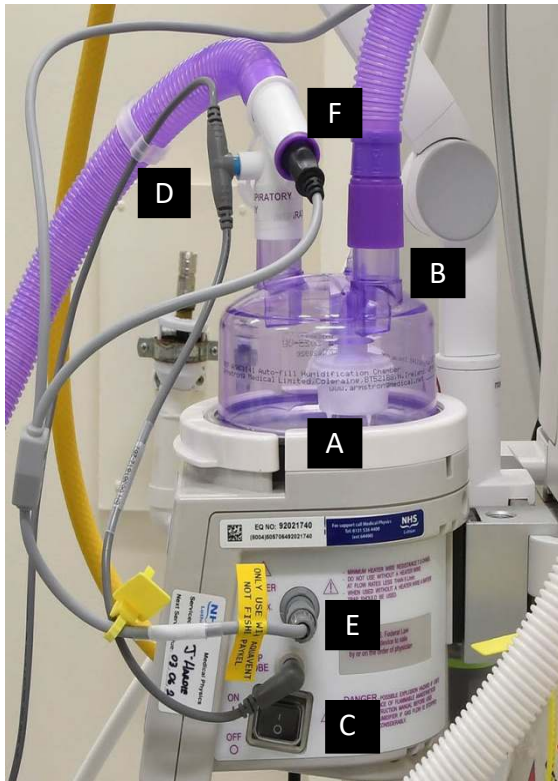
Bacterial/Viral filters are placed on the expiratory limb of the humidified circuit where it connects to the ventilator expiration valve.

They should also be used in patients with a suspected or confirmed transmissible respiratory infection, even when not on a humidified circuit. Filters are changed every 24 hours, or when soiled, or damaged.

Closed suction systems are used routinely. These are changed after 72 hours, or when soiled or damaged.

Ventilator Set-up – Humidified Circuit





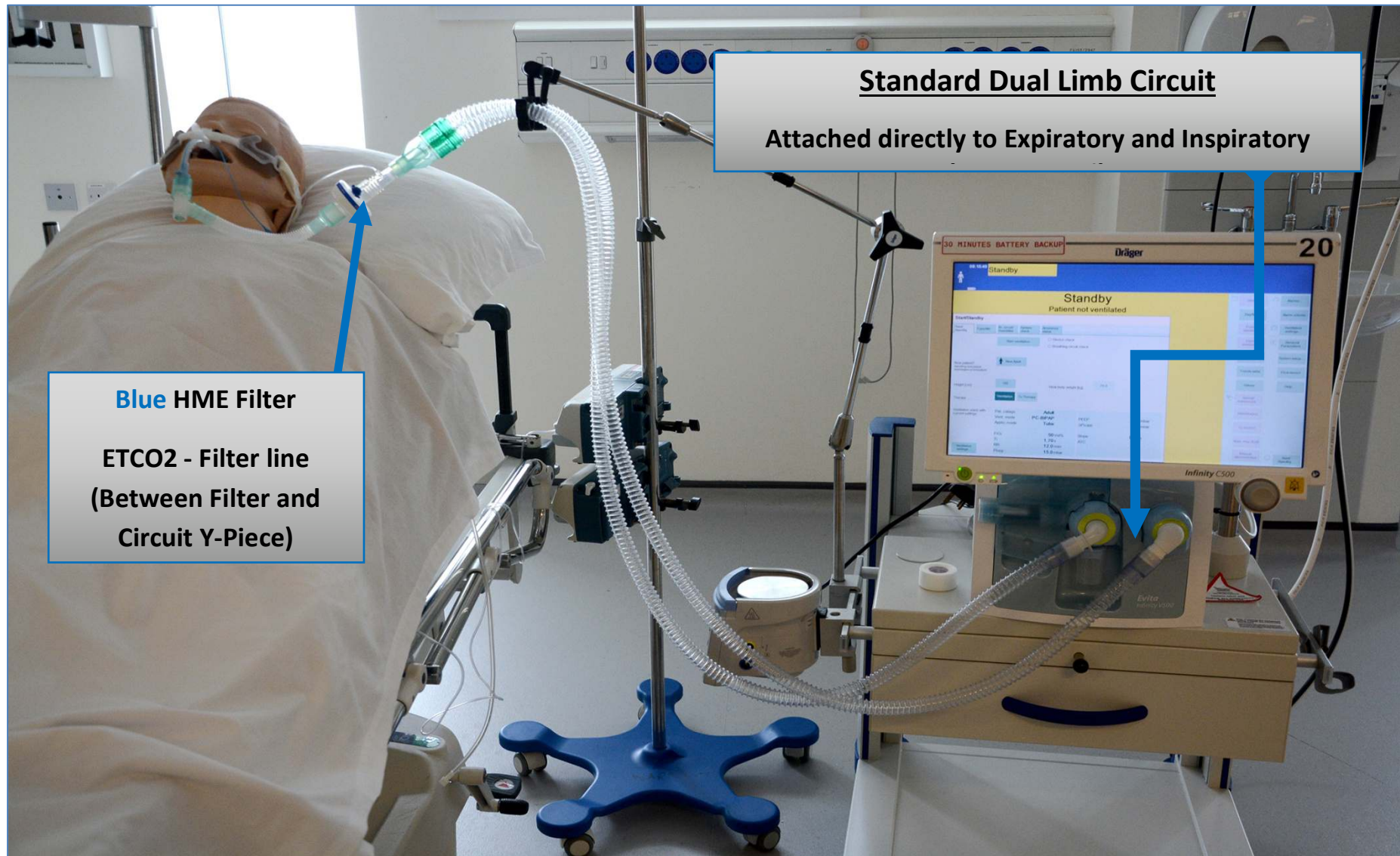
SET UP

- Slide humidification chamber (A) onto humidifier base and connect breathing circuit (B)
- Connect the temperature probe plug (C) to the lower socket on the humidifier base until an audible click is heard.
- Push in the chamber probe (D) and airway probe into the inspiratory limb of breathing circuit. (before the Y connector)
- Connect the heater wire adaptor plug (E) to the upper socket on the humidifier base until an audible click is heard.
- Connect one heater wire adaptor to the inspiratory limb socket (F) and the other to expiratory limb (G)
- The humidification system is now set up and ready for use.
Attach sterile water infusion bag to spike to fill the humidifier water chamber.



Complete Label with Time and Date and Display by
Attaching to the Tubing. Change Circuit After 14 days

Ventilator Set-up – Standard Circuit



**Critical Care Guidelines
FOR CRITICAL CARE USE ONLY**

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