

## **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 Filters are used (see below). These circuits are changed after 7 days, or when soiled or damaged.

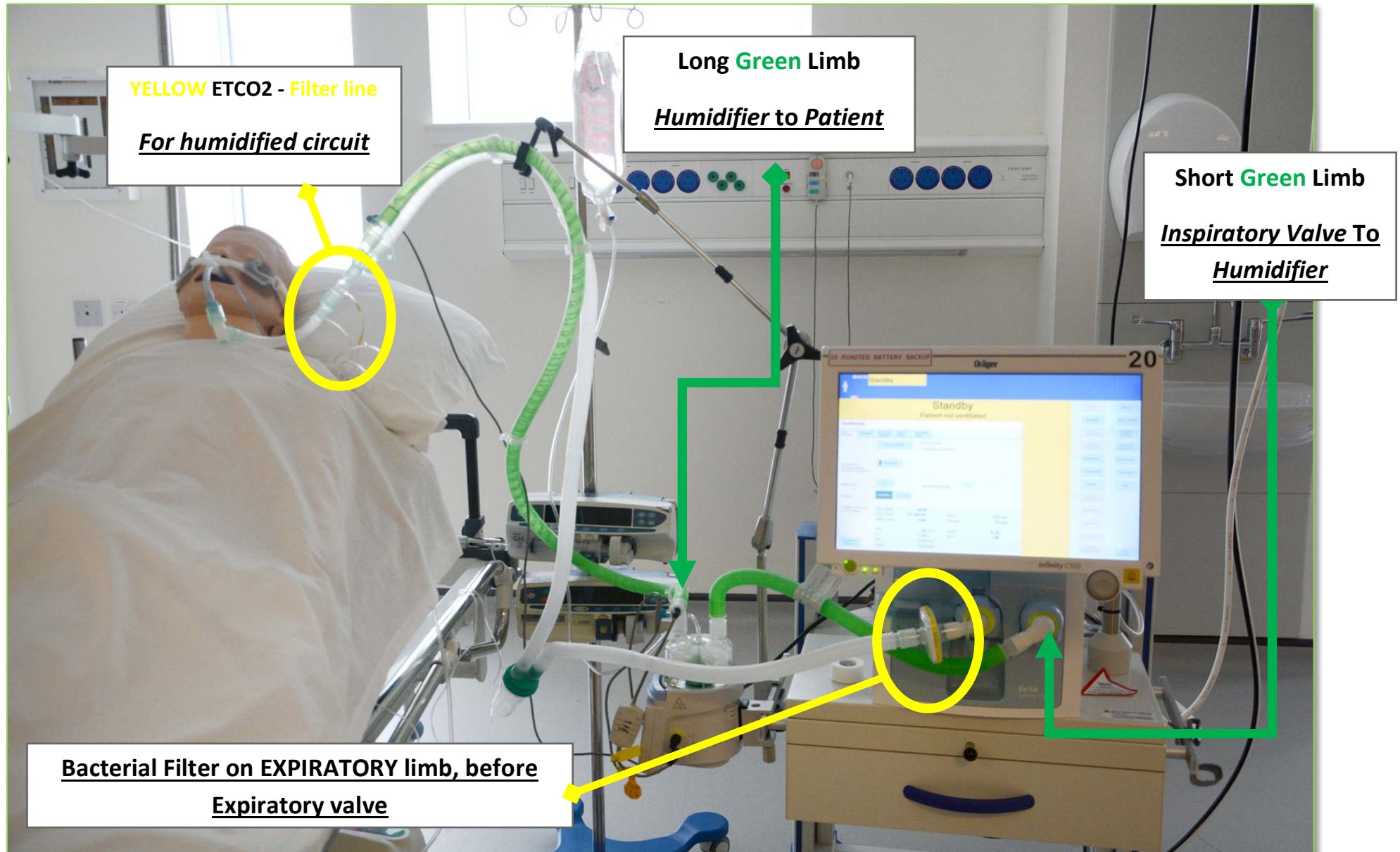
**Bacterial filters** are placed on the expiratory limb of the humidified circuit where it connects to the ventilator expiration valve.

They should also be used in patients with suspected pulmonary tuberculosis or influenza pneumonia.

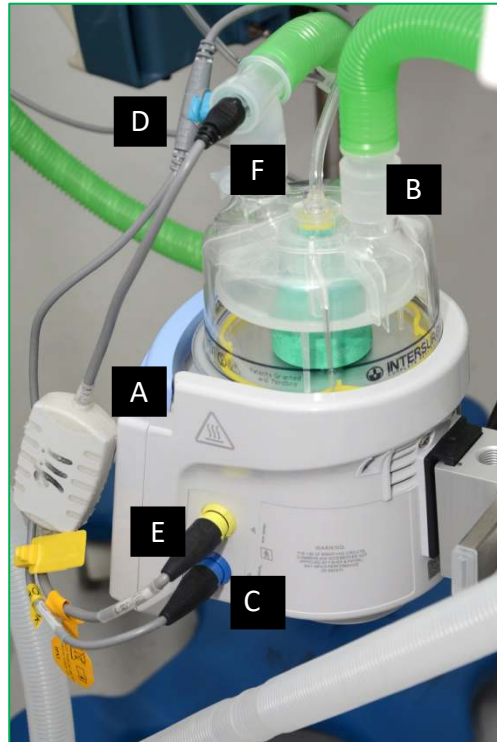
Bacterial filters are changed every 24 hours, or when soiled, or damaged.

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

## Ventilator Set-up – Humidified Circuit



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



**SET UP**

- Slide humidification chamber (A) onto humidifier base and connect breathing circuit (B)
- Connect the temperature probe plug (C) to the blue socket on the humidifier base until an audible click is heard.
- Push the chamber probe (D) and airway probe into the breathing circuit.
- Connect the heater wire adaptor plug (E) to the yellow socket on the humidifier base until an audible click is heard.
- Connect the other end of the heater wire adaptor to the breathing circuit socket (F).
- The humidification system is now set up and ready for use. After power on, the humidifier will operate in the last mode setting



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



## Ventilator Set-up – Standard Circuit

