

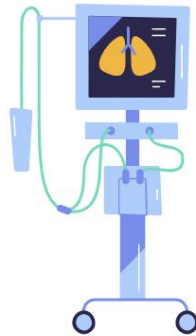
Tools & trainings

OpenCriticalCare.org

The hub for critical care education tools

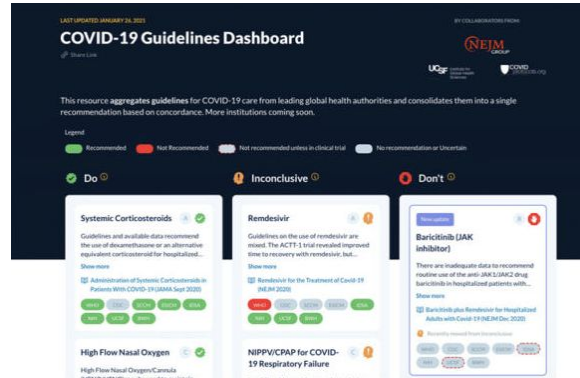
This site (currently in beta) aims to help healthcare workers in resource-variable settings find open-access, high-quality critical care learning tools. We are starting with respiratory care & COVID!

[Visit our Resource Library](#) [View our Suggested COVID Trainings](#)



Guidelines

tablerocovid19.org/
covid19treatmentguidelines.org/



Clinical Protocols

covidprotocols.org

COVIDProtocols v2.0

Search protocols

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Opencriticalcare.org/oxygen-FAQ

- Information on oxygen supply and delivery:
 - Frequently asked questions, **answered by experts**
 - Sorted by topic**
 - Searchable**
 - Can be **easily shared**

OC₂ Open Critical Care

Home About Resources COVID19 Ask an expert

Resource Library
FAQ - Oxygen & Vents
Respiratory Care Training
Ventilator Setup Training
Webinars & Events

Oxygen Supply & Delivery FAQ

This FAQ has been compiled by our team of experts and may require adaptation to your local evolving data. If you can't find the answer you are looking for on this page, there are several questions to our experts: 1. Our chatbot in the lower right of the screen; 2. During Live Chat times listed at the top of the page; and 3. Our question submission form at the bottom of this page.

Search by keyword

Non-invasive ventilation (NIV) Copy link to share +

Invasive mechanical ventilation Copy link to share +

Oxygen Supply and Consumption Copy link to share +



Opencriticalcare.org/oxygen-FAQ

Non-invasive ventilation (NIV) Copy link to share +

Invasive mechanical ventilation Copy link to share +

Oxygen Supply and Consumption Copy link to share +

Respiratory Care Consumables Copy link to share +

Maintenance for Respiratory Care Equipment Copy link to share +

Miscellaneous Copy link to share +

You have additional questions? [Submit a question](#)

- Information on oxygen supply and delivery:
 - Frequently asked questions, **answered by experts**
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 - **Searchable**
 - Can be **easily shared**
 - **Submit new questions**



Oxygen forecasting tool

Opencriticalcare.org/resources

The screenshot displays the Oxygen forecasting tool interface. It is divided into two main steps:

- Step 1. Select Oxygen Source (not sure?)**: A dropdown menu is set to "Oxygen Plant (PSA)".
- Step 2. Enter Total Supply**:
 - Input: "145000" liters per hour.
 - Input: "12" hours/day.
 - Input: "Oxygen cylinders" for the most common way oxygen gets to the patients' bedside.
 - Input: "Size H Tank (1.5 meter: 6600L)" for the most common oxygen tank size.
 - Input: "0 %" for the system leakage amount.

On the right side, the tool displays the following results:

- Consumption per Day (Liters): 891,360
- Tanks per Day: 135.1
- Total Supply per 24h period (Liters): 1,740,000
- Supply will last: 2 days

A summary bar at the bottom states: "Your Oxygen Plant (PSA) produces 1,740,000 L/day which is **adequate** and more than the 891,360 liters per day (L/d) oxygen required, and will last 2 days."

Español



English



COVID19 Respiratory Care Visual Aids

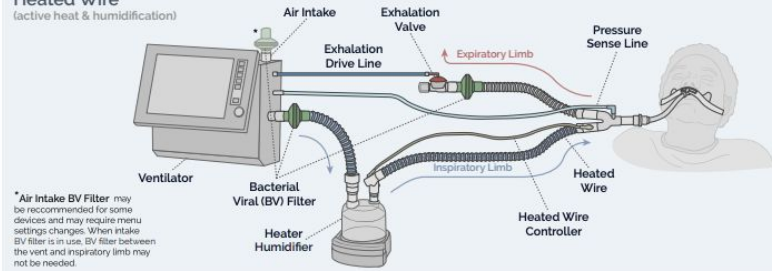
Opencriticalcare.org/resources

Filter Placement & Humidification Types

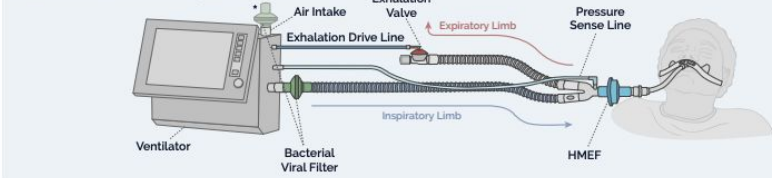
SINGLE LIMB CIRCUITS

Heated Wire

(active heat & humidification)

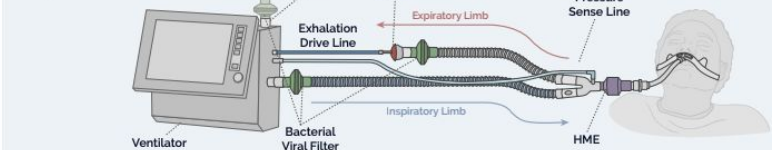


Heat Moisture Exchange Filter (HMEF)



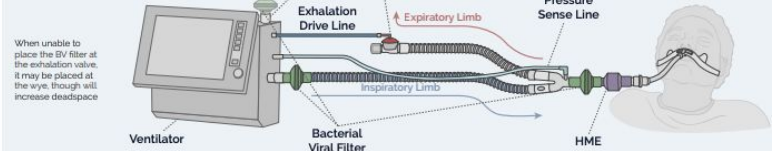
Heat Moisture Exchange (HME)

(BVF by Exhalation Valve)



Heat Moisture Exchanger

(BVF by HME)

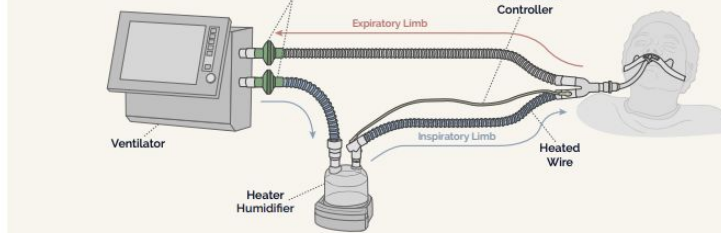


With collaborators and support from USAID STAR, Open Critical Care, and UCF.

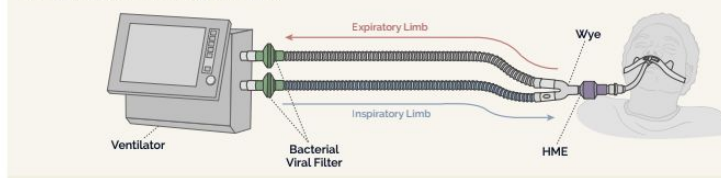
DUAL LIMB CIRCUITS

Heated Wire

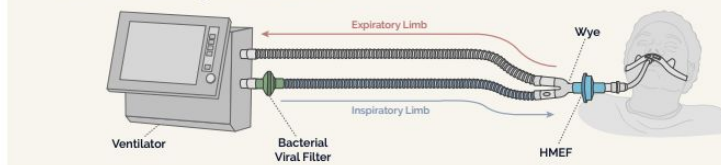
(active heat & humidification)



Heat Moisture Exchanger (HME)



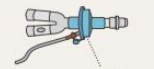
Heat Moisture Exchange Filter (HMEF)



END TIDAL CO2 PLACEMENT

Sidestream CO2

Sampling HMEF with integrated sampling port



Sidestream CO2

Sampling HME and Bacterial Viral Filter



Mainstream CO2

Monitoring HME



[Español](#)



[English](#)

