

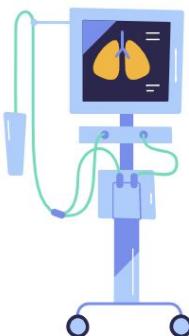
## Tools & trainings

[OpenCriticalCare.org](https://www.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/](https://tablerocovid19.org/)  
[covid19treatmentguidelines.org/](https://covid19treatmentguidelines.org/)



## Clinical Protocols

[covidprotocols.org/](https://covidprotocols.org/)

### COVIDProtocols v2.0

Search protocols  Q

Powered by   



# Opencriticalcare.org/oxygen-FAQ

The screenshot shows the homepage of opencriticalcare.org. At the top, there's a navigation bar with links for Home, About, Resources, COVID19, and an Ask an expert button. A large blue downward arrow points from the navigation bar area down towards the main content area. Below the navigation, there's a search bar with the placeholder "Search by keyword". The main content area features a section titled "Oxygen Supply & Delivery FAQ". Below this, there's a paragraph of text and a "Search by keyword" input field.

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



This screenshot shows a list of topics under the "Oxygen Supply & Delivery FAQ" section. It includes three items: "Non-invasive ventilation (NIV)", "Invasive mechanical ventilation", and "Oxygen Supply and Consumption". Each item has a small circular icon with a question mark, a title, and a "Copy link to share" button with a plus sign.

# Opencriticalcare.org/oxygen-FAQ

② Non-invasive ventilation (NIV)

 Copy link to share 

② Invasive mechanical ventilation

 Copy link to share 

② Oxygen Supply and Consumption

 Copy link to share 

② Respiratory Care Consumables

 Copy link to share 

② Maintenance for Respiratory Care Equipment

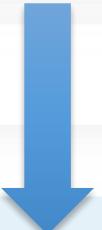
 Copy link to share 

② Miscellaneous

 Copy link to share 

You have additional questions?

 Submit a question



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



# Oxygen forecasting tool

[Opencriticalcare.org/resources](https://opencriticalcare.org/resources)

The image shows a smartphone displaying the Oxygen forecasting tool. The screen is divided into two main sections: a left panel for inputting data and a right panel for displaying results.

**Step 1. Select Oxygen Source (not sure?)**

Select facility's most common source of oxygen  
Oxygen Plant (PSA)

**Step 2. Enter Total Supply**

Enter the maximum volume of oxygen your generator can produce  
145000 liters per hour

Enter the average number of hours per day the generator can safely and reliably run  
12 hours/day

Select the most common way oxygen gets to the patients' bedside at your facility  
Oxygen cylinders

Select the most common oxygen tank size at your facility  
Size H Tank (1.5 meter; 6600L)

Enter the system leakage amount  
0 %

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.

[Disclaimer](#)

**Consumption per Day (Liters)**  
891,360

**Tanks per Day**  
135.1

**Total Supply per 24h period (Liters)**  
1,740,000

**Supply will last**  
hours: 2 days

Español



English

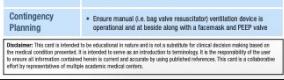
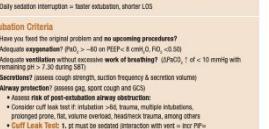
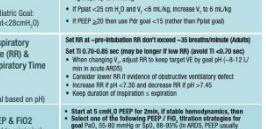
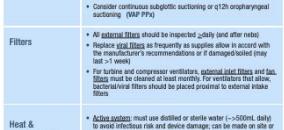
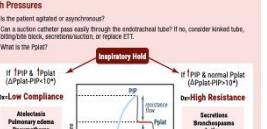
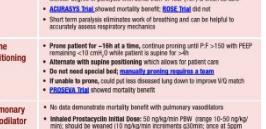
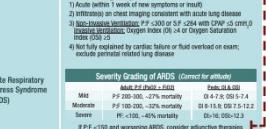
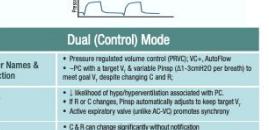
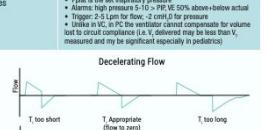
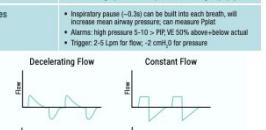
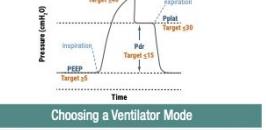
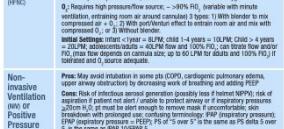
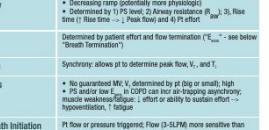
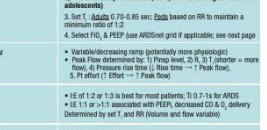
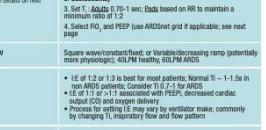
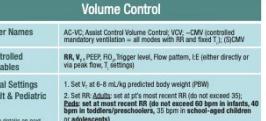
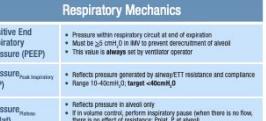
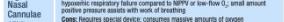
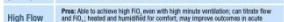
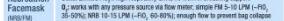
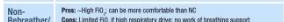
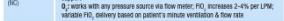
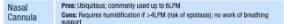


# Respiratory Care Quick Reference

[opencriticalcare.org/resources](http://opencriticalcare.org/resources)



## Oxygen Sources & Delivery Devices



Español



English



Disclaimer: This card is intended for educational purposes only and is not a substitute for clinical decision making based on the individual patient's history and physical examination. It is not intended to be used in place of medical advice from your healthcare provider. The information contained on this card is not a substitute for any published reference. This card is a collaborative effort by multiple academic medical centers.

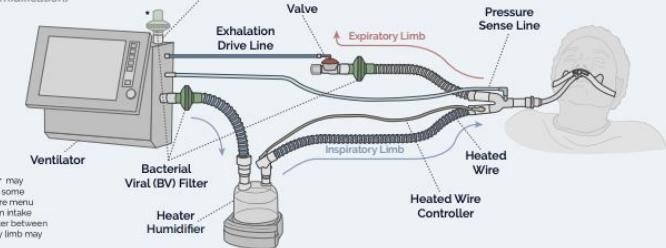
# COVID19 Respiratory Care Visual Aids

[Opencriticalcare.org/resources](https://opencriticalcare.org/resources)

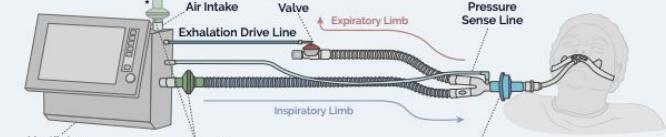
## Filter Placement & Humidification Types

### SINGLE LIMB CIRCUITS

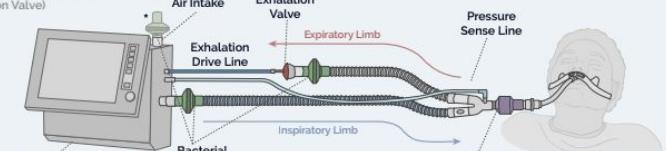
#### Heated Wire (active heat & humidification)



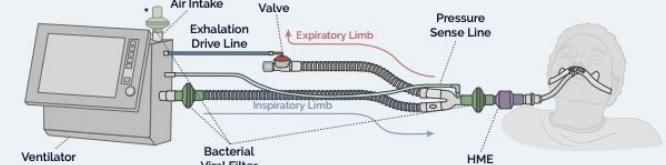
#### Heat Moisture Exchanger Filter (HMEF)



#### Heat Moisture Exchanger (HME) (BVF by Exhalation Valve)



#### Heat Moisture Exchanger (BVF by HME)



With collaborators and support from:

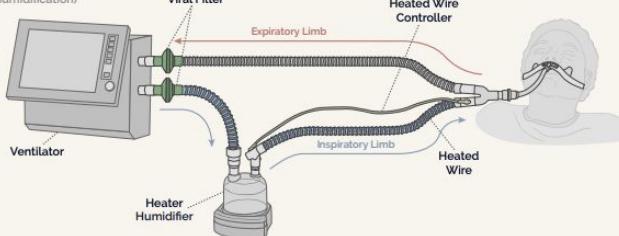


Open Critical Care

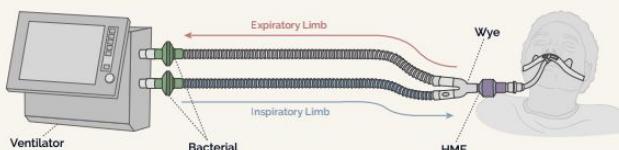


### DUAL LIMB CIRCUITS

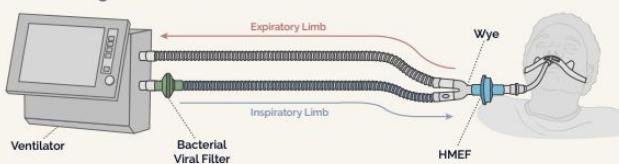
#### Heated Wire (active heat & humidification)



#### Heat Moisture Exchanger (HME)

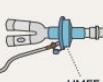


#### Heat Moisture Exchange Filter (HMEF)

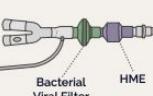


### END TIDAL CO<sub>2</sub> PLACEMENT

#### Sidestream CO<sub>2</sub> Sampling HME with integrated sampling port



#### Sidestream CO<sub>2</sub> Sampling HME and Bacterial Viral Filter



#### Mainstream CO<sub>2</sub> Monitoring HME



[Español](#)



[English](#)

