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## Oxygen Concentrator Quick-Tip & Troubleshoot Guide

### Introduction

The oxygen concentrator takes in room air and, by removing nitrogen, provides a greater percent of oxygen concentration to the patient. *Please take the time to read the operating instructions on the front or side of the concentrator.*

### How to Use the Concentrator:

1. Plug the concentrator into a grounded outlet. Do not use an extension cord or power strip.
2. Turn the concentrator on by pushing the power button. The initial beeping sound is normal.
3. Set the flow meter by turning the knob on the flow meter. Turn clockwise to increase the flow, or counter-clockwise to decrease the flow.
4. The center of the floating ball should be centered with your prescribed liter flow (**Fig. 1 illustrates example of 2 liters per minute correct and incorrect flow setting**).

### Warnings & Precautions:

- Do not smoke (or allow others to smoke when concentrator is in use) while using oxygen as oxygen supports combustion.
- Always keep the oxygen concentrator in a well ventilated area about 3 to 4 inches from the wall or drapes. Never store inside a closet, enclosed space, or outdoor area where temperature is above 95° F.
- Do not change the liter flow from what your physician has prescribed.
- Do not leave the concentrator on when not in use.

### Care & Maintenance:

The concentrator filters must be cleaned on a weekly basis. The filter(s) are located on the sides or rear panel of the concentrator (**see Fig. 2**). *Please note that some concentrators (blue EverFlo Q concentrators) do not require weekly filter cleaning as they have internal air filters. Contact your provider for filter cleaning instructions.*

1. To clean the filter, remove it from the concentrator (make sure the concentrator is turned off). Run the filter under warm water for about 10 seconds.
2. Squeeze excess water from filter. Blot dry with a towel. Let it air dry completely before returning it to the concentrator. Place filter back into the concentrator.
3. Wipe down the concentrator with a damp cloth to remove dust. Make sure to unplug the concentrator first.

### Humidifier Bottle (only needed for liter flows of 4 or greater):

The humidifier bottle moistens the oxygen produced by the concentrator which helps combat dryness.

1. Remove the lid of the bottle and empty any excess water if necessary. Refill with distilled water to the half-way mark on the bottle. *Please note that using purified or tap water will not have any effect on the purity of the oxygen.*

**Warning: Over-filling the bottle may push water into the concentrator and damage the unit. Only fill halfway.**

2. Tightly fasten the lid back on the bottle, making sure it is on straight and secure. Always check that the lid is fastened securely, and that the bottle is secured to the plastic adapter on the concentrator.

### Nasal Cannula (with humidifier bottle):

Once you have filled the bottle halfway and attached it to the concentrator (**see Fig. 3**), the nasal cannula is then attached to the humidifier bottle by the protruding adapter located on the top of the bottle. If you have the concentrator on, you will feel oxygen coming through the adapter. To make sure oxygen is flowing properly, dip the prongs (nose piece) of the nasal cannula into a glass of water. If you see bubbles in the water, everything is connected and working properly. If you do not see bubbles, the flow of oxygen is being restricted. Make sure all lines are unknicked, and that everything is properly secured.

### Nasal Cannula (without humidifier bottle):

You may connect directly to the concentrator without the use of a humidifier bottle. Simply locate the protruding adapter on the front of the concentrator and secure your oxygen tubing to it (**see Fig. 4**).



CORRECT | INCORRECT

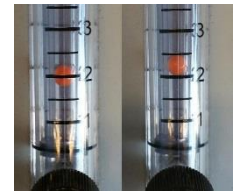


Figure 1



Figure 2

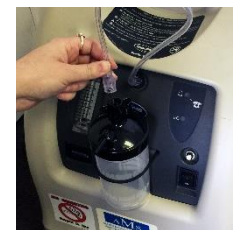


Figure 3

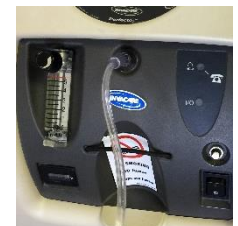


Figure 4



Figure 5

Some concentrator models do not have a protruding adapter for your tubing to connect to. To remedy this, you will need to use a "Christmas Tree Adapter" (**see Fig. 5**). Simply attach the "Christmas Tree Adapter" onto the black 90 degree adapter located on the front of the concentrator, then attach the oxygen tubing. You are now ready to use the concentrator without the use of a humidifier bottle.



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## E-Tank System Quick-Tip & Troubleshoot Guide

### Introduction

The E-tank system (ESYS) is an oxygen tank used for mobility or emergency backup purposes. This unit can be used during power failure due to thunder storms or outages, or when the oxygen concentrator has malfunctioned. It is made up of 4 components:

1. Oxygen Tank
2. Regulator Device
3. Tank Cart
4. Tank Key



### How to Use the E-Tank System:

#### Turning On:

- To release the flow of oxygen, place the oxygen key on the silver valve atop the tank (see Fig. 1), and turn the key counter-clockwise. A half-turn is all that is required.
- Set the regulator flow to the prescribed volume by turning the dial on the end of the device.

#### Turning Off:

- To shut off the flow of oxygen, place the oxygen key on the silver valve atop the tank (see Fig. 1), and turn the key clockwise until it firmly stops. You may hear a hissing sound, this is normal. If the hissing sound persists, the valve has not been shut off completely.

#### Connecting Your Nasal Cannula:

- Take the female-end of the nasal cannula and firmly secure it to the silver valve protruding from the regulator (see Fig. 2). Wiggling the end of the cannula back and forth may make it easier to attach. Wiggle the cannula back and forth while pulling to remove the cannula from the regulator.
- Please note that it does not matter whether your tank is on or off when replacing your cannula. However, we recommend you shut your tank off to conserve the oxygen.



Figure 2

### Warnings & Precautions:

- Do not smoke when using oxygen
- When not in use, make sure the tank has been shut off
- Avoid using matches, cigarettes or burning tobacco, and candles in the room where the oxygen is in use.
- Stay at least 10 feet away from open flames and stoves when using oxygen.

### E-Tank:

The E-tank may be placed in a pulley cart, making it easier to transport. Oxygen duration times vary with liter flow. If your prescribed liter flow is 2 liters per minute, one E-tank will last you approximately 5 hours of continuous use. This duration time may be prolonged if used with a qualifying conserving device.

### Regulator:

Attached to the top of the E-tank you will see what is called a “regulator” device (see Fig. 2 & 3). It is required in order to release and regulate the compressed oxygen in the tank. Just like a water faucet, regulators can be turned on to release oxygen from the tank at a set rate (in liters per minute). Most regulators allow the user to set the liter flow (how much oxygen will come out of the tank). In addition, a regulator displays the amount of oxygen available in the tank.



Figure 3



Figure 4

**Important: When the regulator needle is in the red, it means the tank is empty and will need to be replaced (see Fig. 4). To check if a tank is full, turn the silver valve at the top of the tank with a tank key a half-turn counter-clockwise, and check the position of the gauge needle.**

### IMPORTANT INFORMATION

- Remember to contact your hospice provider (if applicable) or us directly 24-48 hours prior to needing your tanks refilled. A late call on a Friday may not provide us enough time to refill your tanks for the weekend.
- Make sure the receipt you sign indicates the correct number of tanks being delivered/picked up by delivery personnel before signing. Keep the receipt for your records.

FOR FURTHER ASSISTANCE CALL US AT 520.296.5925.  
 Check us out on the web at [www.alliedmedcor.com](http://www.alliedmedcor.com)