

# Oxygen Concentrator



It is important to know how to use your oxygen concentrator safely and in the right way. Read the pamphlet on safe use of home oxygen equipment.

Your doctor has ordered that you use your oxygen at a special flow rate for certain periods of time.

**Do not change your flow rate without an order from your doctor.**

An oxygen concentrator is a machine that pulls oxygen from room air.

Call Carle Medical Supply with any concerns or questions about your equipment.

## OXYGEN SAFETY

Do not smoke or use your oxygen near an open flame. Smoking anywhere near oxygen, even in the same room, can be very dangerous.

## OPERATING YOUR EQUIPMENT

1. Plug cord into a properly working electrical outlet.



2. Press power ON/OFF switch to ON position. The alarm will sound for a few seconds until normal pressure is reached.



3. Adjust the flow meter until the middle of the ball is set at the prescribed flow rate.



4. Fit the cannula to your face so that it is comfortable.



 **Carle**  
**MEDICAL SUPPLY**

- Once a week remove the outside filter and wash in warm, soapy water. Rinse filter very well with warm water. Gently squeeze extra water from the filter, then pat it dry with a clean towel. Put the filter back on the unit.



- Clean the cabinet surface with a damp cloth. Never use wax, spray or furniture polish.

## POWER FAILURE OR MECHANICAL PROBLEMS

To use your back-up oxygen, in case of machine failure, follow these directions:

- Open the cylinder by turning the valve wheel counter-clockwise until the gauge shows contents.



- Adjust the regulator control knob to the prescribed flow rate.



- Attach tubing to the oxygen adapter.



- Only use your back-up system if your concentrator does not work or the power goes out.

Be sure to tell Carle Medical Supply if your concentrator does not work and/or the contents in your back-up system get low.

## CLEANING PROCEDURE

Cleaning your respiratory equipment is very important. To prevent equipment contamination, a simple but effective cleaning procedure must be done on a routine basis. All cleaning and disinfecting should be done in a clean environment.

Follow these cleaning procedures:

**Cannula:** Wipe with a clean damp cloth daily and as needed. Replace your cannula each month or sooner if needed.

**Tubing and Connectors:** There is no need to wash tubing. Tubing and connectors should be replaced every three months. If you are using a bubbler bottle, then change it monthly.

**Bubbler Bottle:** These are used with patients receiving four or more liters per minute of oxygen. It is VERY important to disinfect, reassemble, and maintain bottles as shown below to prevent infection and keep your bubbler working well.

**Daily discard any unused water and replace with distilled water.**



Clean the bubbler bottle **weekly** and as needed:

1. Wash your hands.



2. Remove the jar and empty any old water.



3. Wash in warm, soapy water and rinse well.



4. Soak in a mixture of one part white vinegar to three parts water solution for 30 minutes. Rinse and shake off excess water (do not towel dry).



5. If the equipment is not going to be used right away, air dry and then store the bottle in a clean plastic bag.



6. Using distilled water, refill the jar until it is half-full or less.




7. Reattach the bubbler bottle and check thoroughly for leaks.



Monthly, replace bubbler, all tubing and the cannula.

## TROUBLESHOOTING CHART

Trouble	Probably Cause	Remedy
Unit not operating (power failure alarm sounds)	<ol style="list-style-type: none"> <li>1. Plug not firmly in wall</li> <li>2. Had power surge</li> <li>3. No power at wall outlet</li> <li>4. Electrical power outage</li> </ol>	<ol style="list-style-type: none"> <li>1. Check plug at outlet</li> <li>2. Check reset button (on some models)</li> </ol>  <ol style="list-style-type: none"> <li>3. Check power source (fuse or circuit breaker) in house.</li> <li>4. Use back-up oxygen cylinder until power is restored.</li> </ol>
Limited (low) oxygen flow	<ol style="list-style-type: none"> <li>1. Faulty tubing</li> <li>2. Faulty Cannula</li> <li>3. Loose humidifier</li> <li>4. Blocked external filter</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove the tubing. If proper flow is restored, check tubing for kinks or obstruction. Replace if needed.</li> <li>2. Remove cannula from tubing. If proper flow is restored check tubing for kinks or blockage. Replace if needed.</li> <li>3. Check to make sure jar and lid are secured tightly and humidifier is properly secured to concentrator. Replace if needed.</li> <li>4. Clean air filter. If flow is not restored, connect tubing to back-up cylinder and call Carle Medical Supply.</li> </ol>
Power on light is out and unit is operating	<ol style="list-style-type: none"> <li>1. Bulb burned out</li> </ol>	<ol style="list-style-type: none"> <li>1. Non-emergency. Call office during regular working hours.</li> </ol>
Yellow light is on	<ol style="list-style-type: none"> <li>1. Bad humidifier bottle</li> <li>2. Pinched or kinked tubing</li> <li>3. Blocked air intake</li> </ol>	<ol style="list-style-type: none"> <li>1. Check flow meter. If black ball is bouncing or has dropped down, remove tubing to see if ball goes back to normal. Make sure air intake is clear.</li> </ol>
All other problems		<ol style="list-style-type: none"> <li>1. Contact Carle Medical Supply.</li> </ol>

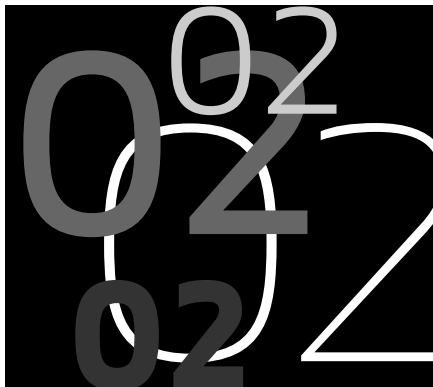
## QUESTIONS?

Call the Carle Medical Supply nearest you.

1208 N. Cunningham Avenue,  
**Urbana**, Illinois 61802  
 (217) 383-3487 or (800) 851-3373

1016 Broadway Avenue,  
**Mattoon**, Illinois 61938  
 (217) 235-6421 or (800) 233-6907

622 N. Gilbert,  
**Danville**, Illinois 61832  
 (217) 446-0577 or (800) 917-1901



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