**OXYGEN CONCENTRATOR** (Normal air is 21% Oxygen, 78% Nitrogen & 1% other gases.) An oxygen concentrator filters the air, collects the oxygen, releases the nitrogen and provides a continuous flow of oxygen from the machine through a process called Pressure Swing Absorption. **Concentrators are available in 5-10 liter capacity to suit the required liter flow.**

**OVERVIEW:**
- A flow rate/liter per minute (LPM) is prescribed by your physician; always use the prescribed setting to set your machine
- A dispensing device is ordered by your physician; mask, cannula or other device should be placed on nose/face & adjusted for comfort
- A humidifier attachment can be used with some devices to combat nasal dryness & is ordered by the physician
- Extension tubing connects your dispensing device to the humidifier or directly to the unit
- Position the unit in a well-ventilated area away from walls/drapes

**WARNING:** No open flames, smoking, aerosols, alcohol-based products, spark/heat sources or oil/petrolatum based lubricants in the presence of oxygen.

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**INDICATOR LIGHTS:**
- The concentrator is equipped with alarms in case of a power outage or a low flow equipment malfunction.
- There are lights near the on/off button, the light appears **Amber** when the unit is turned on and will turn **Green** within 15 minutes. If it does not turn green, contact Therapy Support immediately.
  - **Green** - shows the concentrator is operating properly.
  - **Amber** - is for reduced efficiency - after the 15 minute wait period.

**LITER FLOW METER:**
- Controls the oxygen dose that is dispensed from the unit.
- Flow range is dictated by unit size; 5L concentrator=1-5 LPM, 10 L concentrator=1-10 LPM
- Set to prescribed flow rate by turning knob counter clockwise until the center ball rests on the line of desired # liters per minute
- If no liter flow is set, the 5 Liter concentrator has a no flow alarm that will sound.

**UNIT OPERATION:**
- Plug into grounded outlet
- Do not use extension cords or outlets controlled by wall switch
- Press “I” to turn the unit ON
- In the event of an alarm; Press the “O” to turn the unit OFF then press the BLACK or WHITE reset button - and turn unit back ON

**CONCENTRATOR MAINTENANCE:**
- Clean the filter on the backside of concentrator weekly or sooner if pets are in the house or dusty conditions
- Remove, wash with mild soap/water, rinse, dry with paper towel then reinsert
- Do not run the unit without filters more than a few minutes
- Wipe the unit clean with a damp cloth weekly

**HUMIDIFIER PRECAUTIONS:**
- Fill with DISTILLED WATER only
- AVOID filling past the maximum fill line to prevent water from getting into the tubing
- Screw bottle lid on carefully to prevent cross-threading which renders the concentrator unit inoperable
- Refill humidifier bottle when water level reaches the minimum line
- Wash the bottle & lid weekly with mild soap/water, rinse, dry, refill & reattach
- Routine bottle hygiene is important to prevent bacterial growth/infection

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Please see reverse side/next page for Concentrator Troubleshooting Guide.
## AirSep 5-Liter and 10-Liter Concentrator Troubleshooting Guide

<table>
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<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
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| • No oxygen seems to be flowing from your system/concentrator | • Tubing has a kink or is obstructed  
• Cannula, humidifier bottle or green oxygen adapter is not connected tightly  
• Humidifier lid is not threaded on correctly  
• Illness may impair awareness of oxygen flow | • Place the end of your cannula in a glass of water and look for a steady flow of bubbles. If you do not see any bubbles coming from the cannula, check the full length of your tubing to ensure there are no kinks or obstructions.  
• Make sure all connections are secure.  
• If using a humidifier, take off humidifier and make sure bottle lid is threaded on correctly and is not cross threaded.  
• Reassure the user there is oxygen flow. |
| • Concentrator is not operating, alarm audible/power failure  
( Please note the 1 to 6 audible "Beeps" from the concentrator - this will help determine the issue if a service call is required.) | • Plug not secured in outlet  
• No power at wall outlet  
• Concentrator circuit breaker has been tripped  
• Electrical power outage | • Check plug at wall outlet.  
• Check the power source (home fuse or circuit breaker). Check to see if the outlet is controlled by a wall switch that has been switched off. Try a different outlet in another room.  
• Turn the power switch of the concentrator off. Push in the reset button and turn the power switch back on. If the circuit breaker trips again, move the machine to another room, reset and start again.  
Use backup oxygen system until the power can be restored. You may need to go somewhere that power is available.* |
| • Unable to control prescribed flow rate | • Obstruction of cannula  
• Obstruction of tubing  
• Obstructed humidification bottle | • Disconnect cannula from tubing. If the proper flow rate is restored or the indicator ball jumps to the top of the flow meter, replace with a new cannula.  
• Disconnect tubing from oxygen outlet barb or humidifier bottle. If the proper flow rate is restored or indicator ball jumps to the top of flow meter, check all tubing for kinks or knots and replace if needed.  
• Disconnect the humidifier from the concentrator. If the proper flow rate is restored or indicator ball jumps to top of flow meter, replace with a new humidifier bottle. If unavailable, attach cannula directly to concentrator and call Therapy Support for a replacement humidifier. |

* In any situation where the concentrator alarms or problems occur, use your provided oxygen backup system while determining a solution. For assistance, please call Therapy Support’s 24 hour service at 1-877-885-HEAL (4325).