



TRUE NORTH

RESPIRATORY

Oxygen Concentrator Patient Information

Stationary Oxygen Concentrator Information

A stationary oxygen concentrator is a licensed medical device that uses an internal compressor to draw in air from around it. It works by filtering out all the other gases from the air and *concentrates* the oxygen to deliver it through oxygen tubing and a nasal cannula to you. The oxygen concentrator is capable of delivering more than 90% oxygen and relies on electricity to operate.

Operation:

1. The concentrator must be plugged into an electrical outlet, either a two-pronged outlet or a **grounded** three prong outlet; whichever is appropriate for your equipment
2. Connect the oxygen tubing to the oxygen tubing connector on the machine
3. Turn the machine on
 - The alarm will sound for a few seconds until the proper internal pressure is reached, then the alarm will shut off
4. Adjust the oxygen flow rate to your prescribed level if needed
 - Turn the flow selector dial until the middle of the float ball is level with the prescribed oxygen flow rate
 - Never change the oxygen flow rate without instructions from your doctor

Cleaning & Maintenance:

Concentrators require minimal cleaning, however should be done in a clean environment and on a routine basis. Avoid cleaning the concentrator shortly after vacuuming, under an open window, or in a dusty or smoky environment.

Oxygen Tubing Care:



Minimal care is required for your oxygen tubing and nasal cannula.

- Nasal Cannulas: discard and replace as needed or every 4-6 weeks.
- Oxygen Tubing: discard and replace every 4-6 months.
- Do not use alcohol or oil-based products on or near your nasal cannula or oxygen tubing

Troubleshooting Oxygen Concentrator

Problem	Probable Cause	Remedy
No oxygen flowing from system	Poor cannula connection	Place nasal cannula end into a glass of water and look for steady flow of bubbles; if there are bubbles present then your oxygen system is working properly. <ul style="list-style-type: none"> • Ensure all connections are tight • Un-pinch any oxygen tubing or replace your tubing
	Pinched oxygen tubing	
Unit not operating (power failure alarm sounds)	Not plugged firmly into wall outlet	Use your back up oxygen system while tending to this issue <ul style="list-style-type: none"> • Check plug at outlet • Check wall fuse/circuit breaker • Try another outlet • Check concentrator circuit breaker
	Concentrator circuit breaker has been tripped	
	No power at wall outlet	
	Electrical power outage	
Unable to dial prescribed flow rate (ball is not floating or won't move any higher)	Obstruction in tubing	Disconnect tubing, if the ball moves and flow is restored, replace with new tubing
	Obstruction in cannula	Disconnect cannula, if flow rate is restored, replace with new cannula

If you cannot resolve the issue, or for all other concerns and alarms, please contact TrueNorth Respiratory at the number(s) below.

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Applying a Bonsai Regulator



1. Remove all green plastic and paper from the cylinder. Also remove the red plastic washer that's under the green plastic covering.



2. The metal top part of the cylinder is called the "post". On one side of the post, you will see three holes – two that are the same size.



3. Make sure the regulator is turned "off" before you start.



4. Loosen the adjustment knob by turning it toward you.

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Applying a Bonsai Regulator



5. Notice the two pins on the inside of the regulator.



6. Before you put the regulator over the post, make sure the two pins on the regulator are on the same side as the holes on the post.



7. Put the regulator over the cylinder post. The pins will slide into the holes.



8. Tighten the adjustment knob by turning it away from you.

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Applying a Bonsai Regulator



9. You will notice that the needle on the gauge is in the red area.



10. Attach your plastic nasal prongs (don't add long tubing!)



11. Put your wrench on top of your cylinder.



12. Push the wrench away from you to open the tank.

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Applying a Bonsai Regulator



13. You will notice that the needle on the gauge has moved into the white or green area. *if it is in the red area, you can change your tank.



14. Change the setting to your prescription from “1-7” (liters per minute) or to “cf” (continuous flow at 2 Lpm).

You are ready to use your oxygen!!

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Removing a Bonsai Regulator



1. Put your wrench on top of your post.



2. Pull the wrench towards you until it is somewhat tight. That means it is closed.



3. The needle on the gauge will still be in the white or green area.



4. Change the setting to “cf” (continuous flow). You will hear a rush of air. That is ok. Wait until it is done.

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Removing a Bonsai Regulator



5. The needle on the gauge should now be in the red zone.



6. Turn the selector to "off".



7. Turn the adjustment knob toward you to loosen it.



8. Remove regulator from the cylinder.