

Oxygen Concentrator

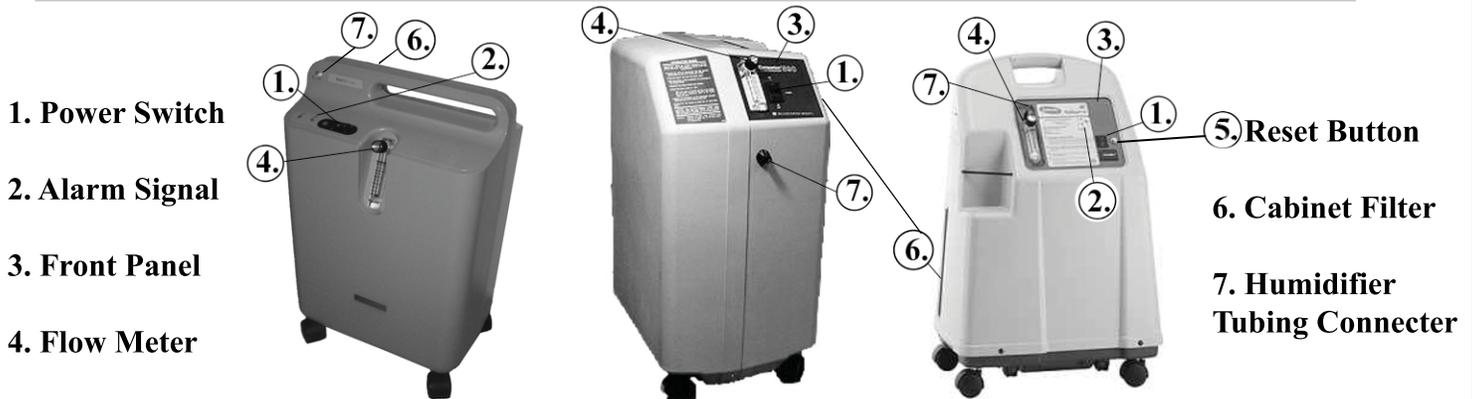
What You Need to Know About Your Therapy

Make sure to leave your concentrator oxygen level at the prescribed level from your doctor. **DO NOT** change the liter flow set without consulting with your doctor.

Getting Started with Your Oxygen Concentrator

Placement

- ☾ The concentrator should be placed where the alarm can be heard by the patient and/ or caregiver at all times
- ☾ Keep the concentrator at least 5 feet away from any heat source, such as a heater, radiator, fireplace, etc.
- ☾ Keep the concentrator in a well-ventilated area at least 12 inches away from anything that might block the airflow (drapes, bedspread, etc.) **DO NOT** place the concentrator in closet or other confined space.
- ☾ Place the concentrator close to a properly grounded electrical outlet. It is better to not use extension cords. If necessary, use only heavy-duty extension cords.



Respironics (Everflo) Puritan Bennet(590) Invacare (Platinum 10)

Concentrator Operation

1. Turn power switch to the ON position. You should hear a short alarm when concentrator is first turned on. This is normal. If the alarm continues, or occurs at times other than when the unit is first turned on, refer to the Troubleshooting Guide section on page 2.
2. Attach a nipple adaptor to the concentrator's outlet, if necessary. Be careful not to cross-thread the connection. If you are using a bubble humidifier, it is necessary to attach an adapter to the concentrator's outlet.. Simply fill the humidifier (**Use Distilled Water Only!**) to the maximum line with water and attach it to the concentrator's outlet. Be careful not to cross thread the connection.
3. Attach the extension tubing and nasal cannula or mask to the nipple adapter outlet or the humidifiers outlet if used.
4. Adjusting the liter flow setting:
 - ☾ **Ball-type flowmeter:** As instructed by your representative, Per Physician's prescribed litter flow, adjusting the flow control knob on the concentrator while at eye level with the flowmeter, so that the ball is centered on the line for the correct liter flow setting.
5. To begin using your oxygen, simply place the nasal cannula or mask into the proper position.
6. Always turn **OFF** your concentrator when not in use.

Regulators/ Conserving Devices

1. Pressure Gauge

2. Liter Control Knob

3. Tee Screw

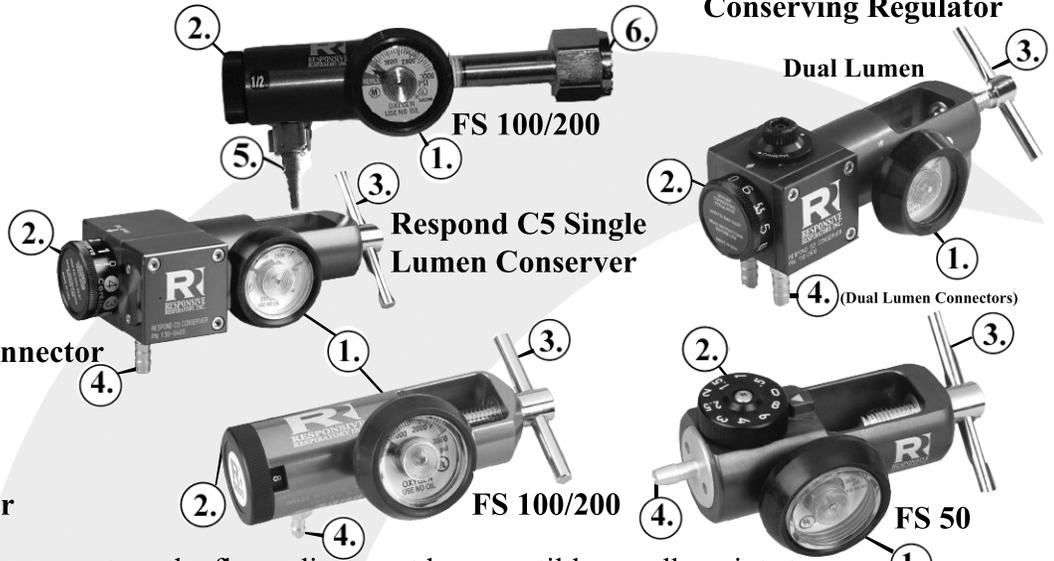
4. Oxygen Tube(Lumen) Connector

5. Nipple Outlet

6. Threaded Tank Connector

Conserving Regulator

Dual Lumen



☞ If you have a **needle-type** gauge: turn the flow adjustment knob until the needle points to your doctor-prescribed setting.

☞ If you have a **rotary or click-type** flowmeter: rotate the dial until the physician-prescribed liter flow setting appears.

Your cylinder is now ready to use. Put on your cannula or mask as instructed by your representative.

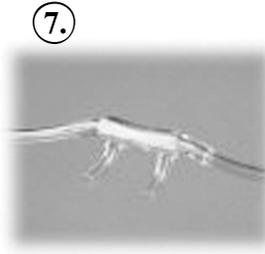
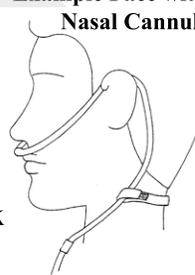
Disposables

7. Nasal Cannula

Example Face with Nasal Cannula

8. Oxygen Tubing

9. Concentration Mask



IMPORTANT! When you are finished with your cylinder, turn the cylinder **OFF** by first turning the cylinder wrench or cylinder valve clockwise until snug. After the pressure on the regulator drops to “zero” (or after the remaining oxygen escapes from the regulator), then you may turn off the flow control knob on the regulator.

Cylinders

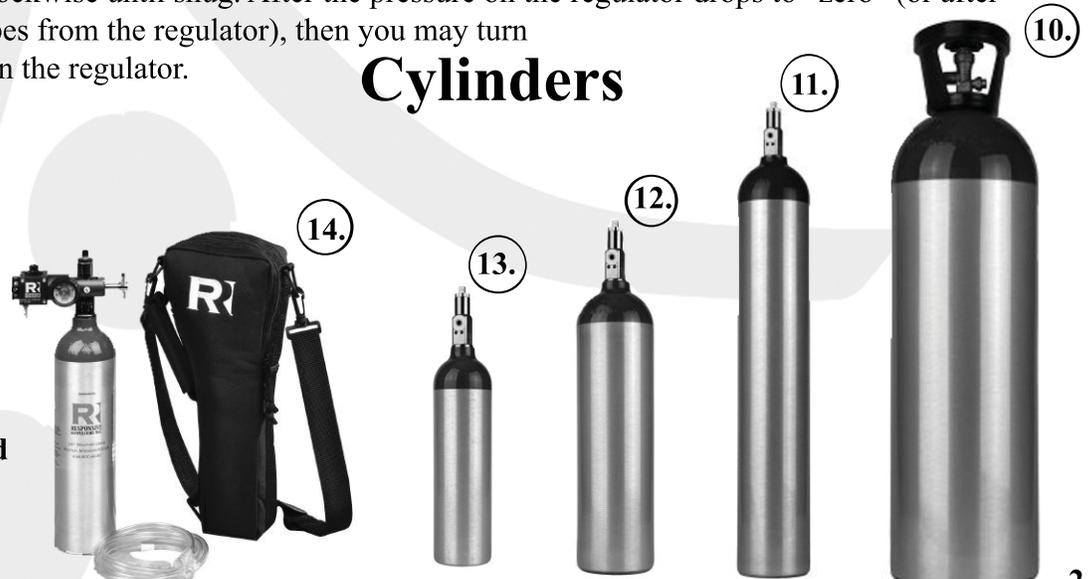
10. M 60 Cylinder

11. E Cylinder

12. D Cylinder

13. M6 Cylinder

14. Regulator Connected to Cylinder with tubing and bag



REMEMBER! Always make sure your cylinder is **OFF** before removing the regulator!

Troubleshooting

Problem	Possible Cause	What To Do
Alarm sounds	No power to concentrator	Check electrical plug. Check fuse or circuit breaker. Make sure the outlet is not controlled by a light switch. Push RESET button, if present. If problem continues, call us and switch to back up system.
No flow (Put end of nosepiece in cup of water to make sure there is no flow; a steady flow of bubbles should be seen when oxygen flow is present)	Kink in tubing Tubing is disconnected Humidifier cross-threaded Concentrator power is off Machine malfunction	Straighten or replace tubing. Reconnect tubing. Disconnect humidifier from concentrator outlet, and reconnect without cross-threading. Turn concentrator power switch to ON position. Call us and switch to back-up system.
Flowmeter won't adjust	Kink in tubing Kinked or clogged cannula	Straighten or replace tubing Straighten or replace cannula
Machine turns off by itself	Dirty filters Machine malfunction	Clean or replace filters. Call us.
Yellow alarm light comes on (Not present on all machines)	Possible malfunction	Call us, change to back- up system if light does not turn off in 20 minutes.
Red alarm light comes on (Not present on all machines)	Machine malfunction	Call us, switch to back-up system.
Water in supply tubing	Some condensation is normal, but may block the flow of your oxygen	If necessary, replace the supply tubing. Try using less water in humidifier. Keep tubing elevated off of floor. Contact us. Your representative may give you a shorter supply tubing, water trap or remove the humidifier for you.

Cleaning/ Replacement Schedule

FREQUENCY	SUPPLIES	WHAT TO DO
Every week	Humidifier bottle and in-line water trap (if used) Concentrator cabinet Filters	Clean with warm, soapy water. Rinse soak for 30min. in a 1 part vinegar to 3 parts tap water solution. Rinse well, place on a paper towel, and allow to air dry.
Every month or as needed	Nasal cannula or mask Extension tubing connectors (if using a humidifier bottle) In- line water trap (if used) Humidifier bottle (if used)	Discard and replace. Keep stored in a clean, dry plastic bag when not in use. Discard and replace. Discard and replace. Discard and replace.
Every 3 months	Extension tubing, tubing connectors (if not using a humidifier bottle)	Discard and replace.

Cylinder Duration Chart

Continuous Flow

Cylinder Size	Cu.Ft./Liter	0.5LPM	1LPM	1.5LPM	2LPM	2.5LPM	3LPM	4LPM	6LPM	Weight lbs
M-6	5.8/164	3:46	1:53	1:15	0:56	0:45	0:37	0:28	0:18	2.6
D	14.6/415	13:49	6:54	4:36	3:27	2:45	2:18	1:43	1:09	5.6
E	24.1/682	22:44	11:22	7:34	5:41	4:32	3:47	2:50	1:53	8.0
M-60	60.9/1724	57:27	28:43	19:09	14:21	11:29	9:34	7:10	4:47	23.2

Conservation 3 to 1

M-6	5.8/164	16:27	8:13	5:29	4:06	3:17	2:44	2:03	1:22	2.9
D	14.6/415	41:27	20:43	13:49	10:21	8:17	6:54	5:10	3:27	5.6
E	24.1/682	68:13	34:06	22:44	17:03	13:38	11:22	8:31	5:41	8.0

IMPORTANT SAFETY REMINDERS

- DO NOT** change flow setting unless instructed by your doctor.
- DO NOT place concentrators or tanks in enclosed areas.**
- Keep oxygen equipment at least 5 feet away from all heat sources, such as radiators, fireplaces etc.
- AVOID THE USE** of the following items while oxygen is in use:
 - ☒ Oil or petroleum-based products (Vaseline, certain cosmetics or lotions)
 - ☒ Aerosol sprays (hair spray, spray paint, etc)
 - ☒ Electrical items that might spark (electric razors, electric blankets, hair dryers, heating pads, etc.)
- Place the concentrator close to a properly grounded outlet **WITHOUT** multiple devices on a single outlet.
- REMINDER:** Oxygen does not burn, it supports combustion, which causes things to catch on fire easier, and to burn faster and hotter. **KEEP ALL OPEN FLAMES AWAY.**
- DO NOT** smoke while using your oxygen!
Smoking with your oxygen on could lead to property damage, severe personal injury or even death. If you decide to smoke, you will need to wait at least 30 minutes after turning off your oxygen. If possible, smoke away from your oxygen equipment (in another room or outside.)
- We recommend that you have properly-working smoke detectors and fire extinguishers in your home in case of emergencies.
- If an alarm is present on your machine, be sure you are able to hear the alarm so that may respond if it becomes necessary to take corrective actions.**

