



Using a Concentrator

Together, for a  
better life.

# Using a Concentrator

Using a concentrator is very simple and the Homecare technician will explain how to use this equipment safely and effectively following these steps.

1. Insert the power plug into an electricity mains socket and switch the socket **ON**.
2. Attach the tubing from the cannula to the outlet connection on the concentrator. Only use the tubing supplied by the Homecare technician – this tubing is **NEVER** longer than 15 metres (approximately 50 feet).
3. Find the **ON/OFF** switch and switch **ON**.
4. A test alarm may sound, this is to check the alarm is working.
5. Turn the flow control knob anti-clockwise until the ball inside the flow meter centres on the flow line number that has been advised by your healthcare professional.
6. Check that there is a flow of oxygen from the concentrator. This can be done by removing the cannula and placing the end of the tube in a glass of water. If there is a flow you will see bubbles coming from the end of the tubing.

If there is no flow, follow these steps:



**Step 1:**

First check to see that the tubing has not become trapped by a chair, door or furniture standing on it.



**Step 2:**

If there is still no flow, please contact the 24/7 Customer Helpline.



**Step 3:**

Connect the cannula to the back-up cylinder and select the same flow rate (as indicated on the concentrator). **ONLY use the back up cylinder for emergency supply.**

7. When you are not using the concentrator:
  - a. Switch the **ON** button to **OFF**.
  - b. If you are not using the concentrator for a number of hours, switch it off at the mains socket.



## Servicing and Maintenance

The concentrator that has been installed remains the property of Air Liquide (Homecare) Ltd.

A Homecare technician will need access to the equipment for routine maintenance.

All maintenance arrangements will be made on a day and at a time that is convenient to you.

During these visits the technician will:

- ✓ Check that tubing is in good condition
- ✓ Check the back up-cylinder(s) are full and working properly
- ✓ Record the hour meter reading
- ✓ Provide replacement consumables

**ONLY trained Homecare technicians are authorised to carry out repairs on the concentrator.**

*For more detailed instructions on how to use the concentrator supplied to you always refer to the manufacturers operating instructions/user manual.*



# Humidification

If humidification has been requested for you, please follow these simple steps:

1. Unscrew the humidification bottle.
2. Fill with distilled water.
3. **NEVER** fill above the maximum fill line.
4. Screw the top of the humidification bottle back on.
5. On the top of the humidification bottle you will see a threaded nut.
6. Screw the humidification bottle onto the concentrator **OR** outlet point and secure tightly.
7. **NEVER** cross thread or over tighten the humidification bottle.
8. Attach the tube or cannula to the oxygen outlet on the humidification bottle.

If you have a piped install, the humidification bottles will be secured on wall brackets at each outlet point. You should still follow the steps above.

A Homecare technician will routinely maintain and service the concentrator, but there are some simple tasks you will need to perform weekly.

**ALWAYS** read the important safety information provided before carrying out these routine tasks.

# Cleaning the Concentrator

## Cleaning the Concentrator (Weekly)

1. First make sure the concentrator is switched off and is unplugged from the electricity mains socket.
2. Next, clean the outer cover with a **damp** cloth and wipe it dry (**NEVER** use detergents or abrasive cloths).

## Cleaning the Filter (Weekly)

1. First make sure the concentrator is switched off and is unplugged from the electricity mains socket.
2. Remove the filter and replace it with the spare filter.
3. Next hand wash the filter in warm soapy water.
4. Rinse the filter thoroughly and remove any excess water with a clean absorbent towel.
5. Allow the filter to dry naturally.
6. The filter should be completely dry and stored in a safe place.

## Cleaning the Humidification Bottle (Daily)

If you have a humidification bottle fitted you **MUST** change the water every day.

You must also wash the bottle once a week in warm soapy water.

Rinse the bottle thoroughly with clean water.

Dry the bottle with a clean cloth.

Refill the bottle with distilled water **NEVER** fill above the maximum fill line.



If you don't have distilled water, use boiled water that has been cooled overnight in a covered container.

# Important Reminders

- **NEVER** set your oxygen flow rate to anything other than that requested by your healthcare professional
- Homecare technicians **NEVER** alter the flow rates without express instruction from your healthcare professional

The concentrator has been installed in a location that is suitable and **SAFE** for everyday use.

The concentrator has been installed by a trained Homecare technician in accordance with manufacturer guidelines.

If you do move the concentrator from the original installation location please follow instructions in the Manufacturers Operating Instructions/User Manual.

- **ALWAYS** make sure that the operating controls are easy to access
- **ALWAYS** switch your concentrator off when you are not using it
- **NEVER** use an extension cable
- **NEVER** open or remove the cover

**ALWAYS use the concentrator as instructed by your healthcare professional and Homecare technician during installation.**

# Basic Troubleshooting Guide

Please refer to the chart to resolve minor problems you may experience.

For additional trouble shooting information, please refer to the Manufacturers Operating Instructions/User Manual.

If you are unable to resolve the problem please contact the 24/7 Customer Helpline.

PROBLEM	PROBABLE CAUSE	SOLUTION
Back-up cylinder is on but oxygen does not flow.	<p>Tubing trapped.</p> <p>Blocked cannula.</p> <p>Cylinder is empty.</p>	<p>Check to see that the tubing has not become trapped by a chair, door or furniture standing on it.</p> <p>Replace the cannula with a new one as the old one may have secretions in the fine tubing.</p> <p>Check the contents indicator gauge and replace if needed.</p>
Concentrator does not run. Constant audio alarm with power switch in the ON position.	No power to the unit.	Check wall outlet for power.
Compressor shuts down intermittently.	<p>Restricted airflow through unit.</p> <p>Unit overheating due to improper location.</p>	<p>Clean the inlet filter or remove the obstruction.</p> <p>Relocate unit away from heating source, provide adequate ventilation on all sides.</p>
Alarm does not sound.	Dead battery.	Call 24/7 Customer Helpline.
Limited or low flow.	Restriction in tubing or humidifier if fitted.	<p>Replace tubing or humidifier.</p> <p>Check the filter.</p>
Low oxygen concentration/ low purity.	Blocked internal air filter.	Call 24/7 Customer Helpline to arrange replacement filter.
Power supply interrupted.	Localised area electricity failure.	Use your back up cylinder – and contact the 24/7 Customer Helpline.



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