

Contact us

Freephone: **1800 24 02 02**

Email: **healthie@airliquide.ie**

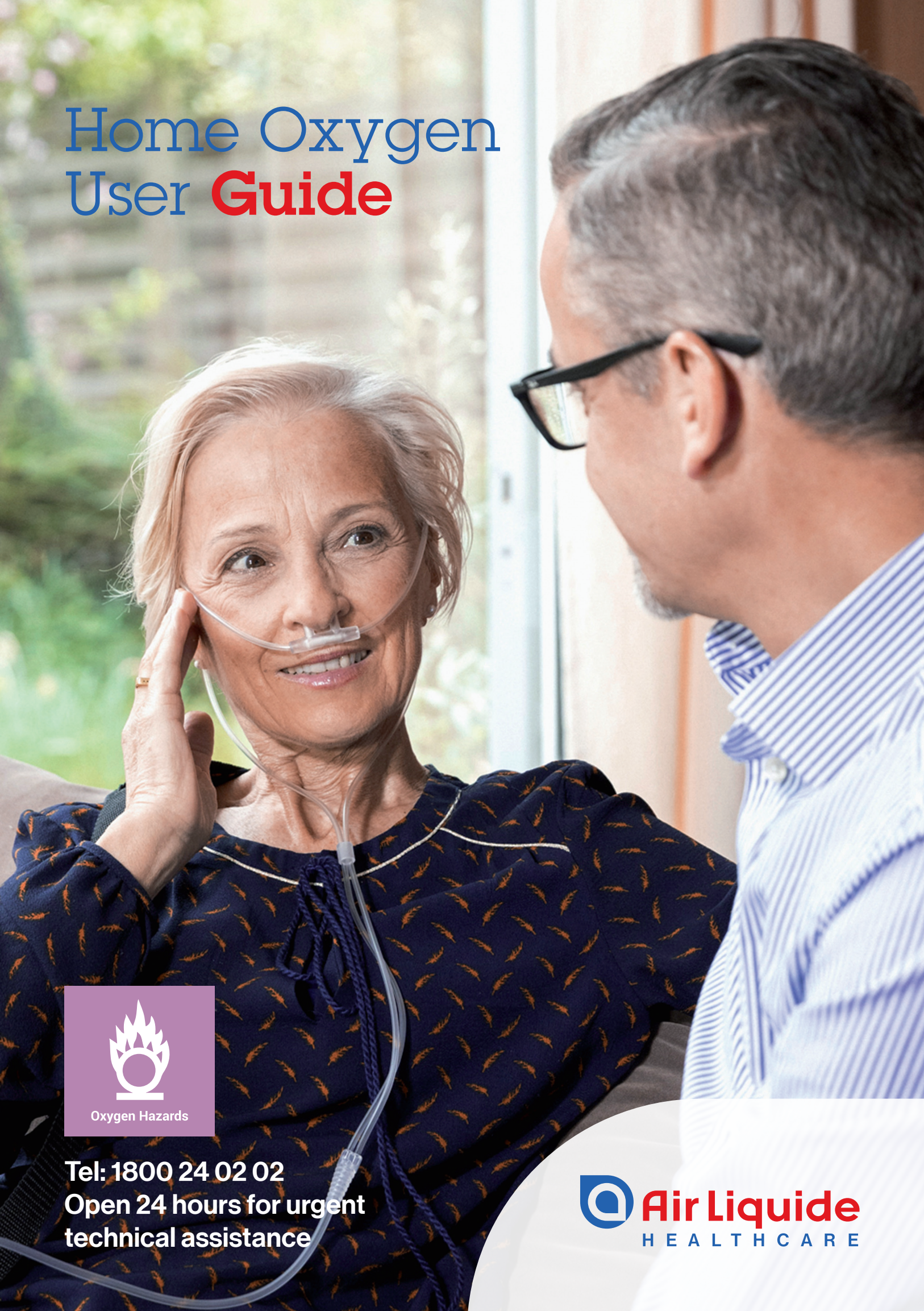
Contact:
Air Liquide Healthcare Limited
Stratus House, Unit 1, IDA College Park, Blanchardstown Road North,
Dublin 15, D15 PEC4.
Email: healthie@airliquide.ie
Tel: 1800 24 02 02
ie.healthcare.airliquide.com



Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.

08/2025

Home Oxygen User **Guide**



Oxygen Hazards

Tel: 1800 24 02 02
Open 24 hours for urgent
technical assistance

 **Air Liquide**
HEALTHCARE

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Quick Reference Guide

Standard Deliveries, Enquiries or Requests. Call our Customer Service Team

8.00am - 5.00pm Monday to Friday (excluding bank holidays)

Freephone: **1800 24 02 02** (select option 3)

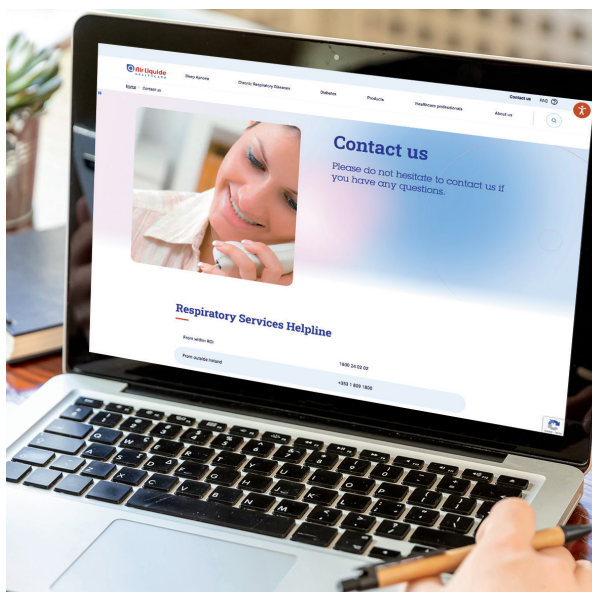
Online Ordering of Cylinders/ Consumables

To make it easier for your cylinder or consumable replenishment needs, Air Liquide have a cylinder/consumable ordering page on our website that you can use. This allows you to order your portable cylinders and consumables. You should always receive a mail back from us confirming that your order has been dealt with.

To order cylinders or consumables please visit the below webpage:

<https://ie.healthcare.airliquide.com/order-your-replacement-cylinders-and-consumables-here>

Alternatively, contact our Customer Service Team directly to re-order your refills on 1800 24 02 02 (select Option 1).



Out of Hours Breakdown Assistance

Outside of normal working hours our customer service team should only be called in the event of an emergency. For example, if your equipment does not work or you have a concentrator and there is a power cut and you have no alternative supply such as a back up cylinder.

Troubleshooting

If you are experiencing problems with your equipment and cannot resolve it with this guide, or your equipment guide, call our customer service team.

Change of Contact Information

To ensure your oxygen supply remains uninterrupted, it is very important that we have accurate and up to date information about you. Please contact our customer service to let us know if you change any of your details, including:

- Home address
- Telephone number

Insurance

We recommend you inform your home insurance provider that you are using oxygen equipment in your home. If you use or carry home oxygen equipment when travelling by car we recommend you inform your motor insurance company. This should **not** affect your insurance premium.

Our Service

Air Liquide Healthcare is a provider of home oxygen and many other healthcare services. We are committed to providing a safe and effective home oxygen service and we want to provide you with all the support you may need right from the beginning of your therapy journey.



Before You Start

Before you use any of your oxygen equipment there are some simple and important safety rules that you must follow. These will be explained to you by our technician during their visit with you. This guide should act as a re-cap for you. If you are unsure of any aspect of our training, please contact our customer service team and ask us to revisit. It can be a good idea to have a family member/carer or friend present when we deliver our equipment.

We have developed equipment tutorial videos which are available for you to view on our website.

Please visit

ie.healthcare.airliquide.com

for access to these videos and other information or scan this QR code.



Keeping You Safe

The technician who installed your equipment will also have carried out a risk assessment and documented where your equipment has been situated. This risk assessment will have been completed at the time of installation. We will service your equipment annually in order to keep the equipment in good working order and to ensure it continues to deliver oxygen safely.

It is important that we are able to access your property and equipment to complete this. We will also complete regular checks of your equipment to record usage. Failure to allow access may result in us contacting your prescriber and your equipment being removed. The equipment supplied remains the property of Air Liquide. All equipment must be returned when no longer required.

Our Service (cont.)

We recommend all new users register with their electricity provider as a vulnerable customer.

Keeping Your Information Safe

We understand how important it is to keep your personal data safe.

Your information will be held securely within our database which operates in line with the current legislation and information security standards. You will already have given consent to your healthcare professional for them to share your information with us when you signed the Home Oxygen Consent Form.

We are committed to sharing the minimum amount of information necessary to ensure your continued safety. We will only share your information with healthcare professionals involved in your care or the administration of your care.

It is important that you keep us up to date with any changes to your data to ensure we are able to uphold a safe and efficient service for you.

You have a number of rights under data protection law. You can find more information regarding these and other rights by checking the data protection commission website at **www.dataprotection.ie** or by referring to the Air Liquide Healthcare privacy notice for home oxygen patients, found on our website: **ie.healthcare.airliquide.com**

If however you would like to exercise any of these rights or provide feedback regarding how your data has been used, you may do so by contacting our data protection officer directly on: **dpo@airliquide.ie**

Stay in Touch

We will contact you every year to arrange a concentrator service, or to update you with any changes to the service. Please contact our customer service team to update us with your preferred contact details, including Next of Kin.

Follow Up Call

Within two weeks of receiving your home oxygen equipment, our customer service team will contact you. We want to make sure you are completely satisfied with your home oxygen equipment and with the training and support given to you at the time of installation.



Our trained team is available to answer any questions you may have, to ensure you feel completely at ease with the home oxygen equipment and we will call you shortly after commencing your treatment.

An Introduction to Home Oxygen

Who Needs Oxygen

Everyone needs oxygen. Without it, we could not survive, as our cells use oxygen and nutrition from the foods we eat to make the energy needed to function. The air that we breathe contains approximately 21% oxygen.

People with healthy lungs get all the oxygen they need through normal breathing. Those with lung or other conditions may have lower levels of oxygen in their blood, and it is these people who may need extra oxygen.

Without sufficient oxygen, most people find they are limited in what they can do. Oxygen therapy can correct the low levels of oxygen and give people who need it a better quality of life.

Oxygen is not addictive. Too much oxygen can be harmful and too little may not be beneficial. Oxygen can only be prescribed by a healthcare professional and you should only use the amount that has been prescribed for you.



Using Home Oxygen

Your healthcare professional will have completed a Home Oxygen Order Form (HOOF) requesting your oxygen equipment. As part of your assessment they will have determined how much oxygen you need (litres per minute or setting) and for how long (hours per day). **Oxygen is a prescribed medicine; using more than the prescribed amount can make certain people unwell, and using less than prescribed may be of no benefit.**

It is important that you:

- **ALWAYS** follow the advice of your healthcare professional
- **ALWAYS** follow the important safety advice
- **NEVER** adjust the amount of oxygen you use unless it is under the strict instruction of your healthcare professional
- If you have been prescribed a variable oxygen flow rate, your healthcare professional will have informed you when to alter the flow
- If you feel unwell seek medical attention
- **NEVER** use more or less oxygen than prescribed by your healthcare professional

If you feel unwell and require medical attention please contact your GP or emergency services on 999 or 112. If you require technical assistance for equipment failure please move to your back-up cylinder and contact us on 1800 24 02 02.



The Benefits of Using Home Oxygen as Prescribed

You have been prescribed home oxygen therapy and you may want to know how this will improve your life. There are many benefits, both physiologically and in terms of your quality of life. Learning you need oxygen can leave you with lots of questions. This is normal and it can take time to adjust. Oxygen is a medicine and should be used as prescribed. Oxygen will allow you to live your day to day life to the full.

Let's take a look at the different types of home oxygen therapy and how they can help you if used correctly.

Long Term Oxygen Therapy

Long Term Oxygen Therapy (LTOT) can be defined as oxygen used for at least 15 hours per day (hpd) in chronically hypoxaemic (low blood oxygen) patients. Research has proven that patients with certain respiratory conditions have a longer life expectancy and better quality of life when using their oxygen for at least 15hpd - every day.

If your oxygen levels are low it means that your heart and lungs may be working harder than normal. If you need it, using home oxygen therapy can do you a lot of good as it means your organs will be able to rest which can lead to an improved quality of life.

Your clinician will determine how much oxygen you need. They will administer oxygen at a flow rate, measured in litres per minute (L/min or LPM). This describes how fast the oxygen flows from the device you use.

It is important that you use your oxygen on the flow rate and for the minimum number of hours per day as advised by your clinician.

One of the main benefits of LTOT that you may notice is improved sleep. Using your oxygen whilst you sleep (in line with your prescription), can correct night time low oxygen levels, improve how long it takes you to get to sleep, and improve sleep quality.

LTOT, in those who need it, has also been shown to improve factors associated with function and wellbeing, to include depression, mood, cognitive function, exercise capability, and ultimately quality of life.

Benefits of LTOT

- Longer life expectancy
- Reduced stress on your heart and lungs
- Improved quality of life, mood, and personal wellbeing
- Improved sleep

An Introduction to Home Oxygen (cont.)

Ambulatory Oxygen Therapy (AOT)

AOT is defined as the use of supplemental oxygen during exercise, moving around and activities of daily living. If you need oxygen at rest, you may often need it when you're on the move as well. The aim of ambulatory oxygen therapy is to allow you to move further and to improve your exercise capacity and keep active.

To ascertain whether you meet the criteria for ambulatory oxygen, your respiratory clinician may ask you to do a walking test. If you walk further with a portable oxygen device and this improves your oxygen levels, your respiratory clinician may prescribe a portable device for you. Even further benefits (improved walking distance) can be obtained when using portable oxygen in conjunction with a pulmonary rehabilitation programme. Please contact your healthcare professional for more information.

Although we breathe oxygen in the atmosphere, when you breathe high purity oxygen (from an oxygen concentrator or cylinder) it is classified as a medicine. As with all medicines, care must be taken with how it's used. Too little and you risk missing out on the clinical benefits, and too much can risk your safety.

Please listen to your home oxygen prescriber and use the oxygen only as they say.

Benefits of AOT

- Ability to move further and more easily
- Increase walking distance

Short Burst Oxygen Therapy (SBOT)

SBOT describes an intermittent pattern of oxygen use, usually for 10-20 minutes at a time or for an emergency.

SBOT is an effective treatment for a type of severe migraine called cluster headaches and for emergency management as needed. If you have been prescribed oxygen for this purpose please continue to use oxygen as directed by your consultant.

Your Oxygen Prescription is Important

We may contact you from time to time to make sure that you are using your oxygen as prescribed and getting the full benefit of the therapy to help improve your quality of life.

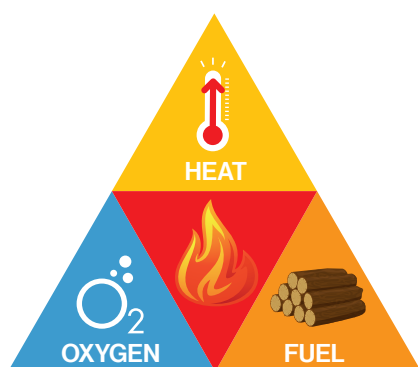


Home Oxygen Safety

The Fire Triangle

To start a fire, three things are needed:

- **Fuel** – something to burn
- **Heat or a spark** – something to set it alight
- **Oxygen** – to support the fire and keep it going



Fire Risk

Oxygen is essential to sustain life, but has several unique properties which expose you, and those around you, to higher risk:

- It supports combustion - fires thrive in oxygen
- We can't see, smell or taste oxygen
- Oxygen settles easily into the tiny spaces in fabrics and hair

The air we breathe is made up of 21% oxygen but the medical oxygen you use at home is much higher, up to 90-100%, depending on the equipment type. As materials that burn in air will burn hotter and faster in oxygen, this means that you need to take extra care around any naked flames and other sources of ignition.

Home oxygen is safe to use when the safety guidance is followed, however as materials burn much faster and hotter in oxygen than in air alone, it is therefore important that you:

- **NEVER** smoke or vape or let anyone else smoke or vape near you when using your oxygen equipment, this includes e-cigarettes
- **NEVER** charge an e-cigarette close to you when using your oxygen equipment or near the equipment itself
- **NEVER** use or store oxygen equipment within 3 metres (10 feet) of open fires or naked flames such as cigarettes, e-cigarettes, matches, lighters, boilers, gas cookers, open gas fires, candles, or machinery which could create sparks
- **NEVER** use or store oxygen equipment within 1.5 metres (5 feet) of closed heat sources (e.g. a radiator) and electrical appliances such as, televisions, hair dryers, and toasters
- **NEVER** use oxygen equipment that has been involved in a fire or accident. If your oxygen equipment is involved in a fire you should contact our customer service team
- **NEVER** smoke when you are using an aerosol e.g hairspray, or just afterwards
- **REMEMBER** birthday candles are a naked flame. Take extra care if you are using oxygen equipment. Turn off the oxygen and remove the cannula or mask at least 15 minutes before you blow out the birthday candles.
- **REMEMBER** it is a good idea to keep a torch within reach in the bedroom for power-cut situations.

In the event of a fire, leave the building immediately and ring 999. You should advise the emergency operator that there is oxygen on the premises.

Home Oxygen Safety (cont.)

Electronic Cigarettes and Other Personal Electronic Devices

Electronic cigarettes (e-cigarettes) are battery powered tobacco replacement products which use a heating element (atomiser) to produce a vapour which resembles smoke. A number of incidents have been reported involving e-cigarettes that have exploded or ignited to cause a fire while **recharging or in use** in an oxygen-rich environment. It is recommended to only buy e-cigarettes and chargers from new and from reputable sellers that feature safety markings.

Other personal electronic devices that require charging of their lithium ion batteries include mobile phones, laptops, tablets, cameras, e-bike batteries etc. All these devices must be charged away from the area where oxygen is used and stored. All personal rechargeable electronic equipment should be visually inspected prior to use and found to be free from defects, cracks, damaged cables, burn marks.

NEVER use e-cigarettes while using oxygen.

ALWAYS charge your personal electronic devices away from the area where oxygen is used and stored and **NEVER** in an oxygen-rich environment.

Oxygen Saturation (Enrichment)

Oxygen itself does not burn, but it does help a fire to start and to keep burning. If air is enriched with increased levels of oxygen, there is a chance that a fire will start and spread more quickly, and continue to burn hotter and faster.

Because oxygen can build up unnoticed and saturate our surroundings, home oxygen users are at greater risk from their clothing, bedding, furniture, hair and facial hair catching fire if they smoke, or if other people smoke in close proximity to them.

In oxygen-rich areas, fabrics, wood, paper and other materials which normally do not burn easily in air could suddenly catch fire on contact with a small spark from a lit cigarette or electronic cigarette.

Because of this, you should:

- **ALWAYS** turn off your oxygen equipment when you are not using it
- **ALWAYS** use or store your oxygen equipment in a well ventilated area
- **NEVER** place your oxygen equipment near curtains or cover it with coats, blankets or other materials that may restrict the air circulation around it
- **NEVER** leave your cannula or mask on the bed or chair when your oxygen equipment is switched on
- Ventilate any clothing or bedding, where it is suspected that it has become saturated with oxygen, to ensure that any oxygen enrichment is cleared. It can take at least 15 minutes to adequately ventilate clothing or 30 minutes to ventilate bedding before it is safe to approach with a source of ignition

Home Safety

It is good practice to look at household safety such as:

- how to exit the home in the event of a fire
- have a fire extinguisher or fire blanket in an easy to reach location

Home Oxygen Safety (cont.)

Smoking - The Risks

Smoking increases the risk of developing serious health conditions. Every year around 6,000 people in Ireland die from smoking, with many more living with debilitating smoking-related illnesses.

Oxygen therapy is a life-enhancing therapy and for many diseases and conditions it reduces the risk of complications when your oxygen blood levels are reduced. If used while smoking, or in the vicinity of someone smoking, it poses serious safety risks.

Smoking can worsen or prolong the symptoms of respiratory conditions and the beneficial effect of oxygen therapy may be offset by the harmful effects. Furthermore, friends and family who breathe in second-hand smoke regularly are more likely to get the same diseases as smokers including lung cancer and heart disease.

Passive smoking is harmful to others, particularly children.

Stopping smoking is a really effective way to treat and slow the progress of your lung condition. In order to avoid these risks and to ensure you continue to receive the beneficial effects of oxygen therapy, you may like to maintain your home as a smoke-free environment.

The most serious incidents involving the use of home oxygen are caused by smoking which is why you should NEVER smoke or let anyone else smoke near you when using your oxygen equipment.



Remember

NEVER smoke a cigarette or use an electronic cigarette whilst on oxygen therapy or close to a patient using oxygen.

NEVER charge an electronic cigarette or similar device close to a patient using oxygen therapy or near to the oxygen source itself.

Ready to Quit

It is never too late to give up, no matter how long you have smoked. Your quality of life will improve and you will reduce the risk of a house fire by stopping smoking, especially now you have been prescribed home oxygen. Two out of every three fires in homes where home oxygen is used are the result of the oxygen user smoking.

Getting support from friends, family and professionals is very important and research shows that people who get support from stop smoking services are four times more likely to succeed compared to those who don't.

When you stop, you reduce the risk of any further damage and you'll be able to breathe easier. There are lots of other benefits too, and they start almost immediately. Not only does it improve your physical health but it also boosts your mental health and wellbeing.

Support and Advice

Free HSE smoking cessation helpline:

1800 201 203 or free text Quit to **50100**.

Lines are open Monday and Tuesday 10.00am to 8.00pm, Wednesday and Thursday 10.00am to 7.00pm, Friday 10.00am to 5.00pm and Saturday 10.00am to 2.00pm.. Or visit their website <https://www2.hse.ie/living-well/quit-smoking/>

Alternatively, for advice and support regarding smoking cessation, talk to your GP or nurse.



Home Oxygen Safety (cont.)

Storage and Usage

You should always follow the advice given to you by your technician about the safest place to store and use your oxygen equipment.

It is important that you:

- **ALWAYS** keep cylinders laid flat or secured upright in a position to prevent them falling over, especially when children are around. Keep the equipment away from small children to avoid risks of inadvertent tampering
- **ALWAYS** ensure your oxygen equipment is stored in a well ventilated area, kept clean, dry and away from any sources of heat or fire e.g. paraffin or convection heaters, gas or electric fires and cookers
- **NEVER** store your oxygen equipment close to paint, oil-based products, grease or any domestic heating gases e.g. in a garage or shed where these items may be stored
- **NEVER** use oil or grease in or around your oxygen equipment. Always ensure your hands are clean
- **NEVER** keep combustible materials near your oxygen equipment e.g. newspapers and magazines and other items that may burn easily
- **NEVER** modify or tamper with your own oxygen tubing by adding to it, or changing components
- **NEVER** remove or tamper with the firebreaks in the tubing. A fire break is a safety device fitted between a cannula or mask and the tubing attached to the oxygen equipment

Your oxygen equipment should be stored in line with your technician's instructions and should never be left exposed to the weather.

This information applies to all places where oxygen equipment is used or stored, and when travelling with it.

Oxygen Tubing, Masks, and Nasal Cannula

Oxygen Tubing

As part of our technician's risk assessment, they will speak with you about locating your oxygen equipment in the most ideal location, that is both safe and easily accessible. They will measure and cut your oxygen tubing at a length that allows you to reach the required areas of your home. The maximum permitted tubing length is 15 metres (inclusive of the nasal cannula or mask tubing), but it should always be kept as short as possible to reduce the risk of tripping and falls.

It is important that you only use tubing that has been supplied and installed by Air Liquide as these have been tested for compatibility with our equipment. Please do not cut your oxygen tubing yourself or add other tubing as doing so may affect the oxygen flow rate.

Our freeline tubing is crush resistant, but please always be vigilant that it does not become kinked, trapped under furniture or under a door, and that it remains connected to your oxygen supply at all times.

If you use a static concentrator, your technician will install a firebreak in the tubing. This will make it safer in the event of a fire by stopping the flame burning along the oxygen tubing and towards the concentrator. You must **NEVER** remove the firebreak from the tubing but if it does become disconnected, you can refit it again. If your firebreak has a blue directional arrow printed on it, **ALWAYS** ensure the arrow on the firebreak points in the direction of oxygen flow. If it is not blue in colour the firebreak can be placed in any direction.

Home Oxygen Safety (cont.)

Cleaning

Your nasal cannula and/or face masks should be kept as clean as possible. Please check the tubing regularly for signs of damage such as splits and kinking and follow this advice for maintaining them. You may wish to keep a note of the cannula size or product number so you can easily re-order.

Nasal Cannula

Your nasal cannula can easily become blocked by nasal secretions and mucus, especially if you have a cold. Over time nasal cannula will become hard/brittle if not changed and may cause nasal irritation and discomfort.

The tips of the nasal cannula can be wiped with a warm soapy cloth, regularly, but **NEVER** submerge them in water because water droplets can find their way into the tubing and increase the risk of chest infections. Please change your cannula on the advice of your healthcare professional – advice can depend on your clinical condition but on average it should be changed when used for the following hours per day:

- 0-12 hours change every 2 months
- 12-24 hours change every month

Oxygen Masks

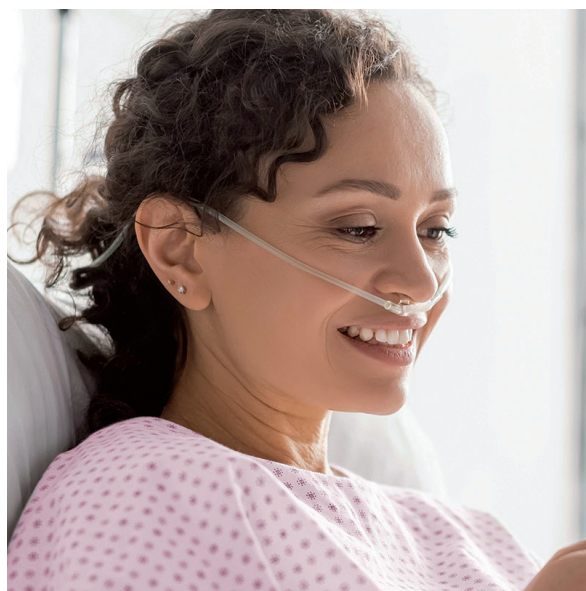
You must only use the mask that was provided to you. Oxygen masks should be cleaned regularly in hot soapy water, rinsed and then air dried before use (do not dry with a towel/cloth). Any mask with a reservoir bag attached should never be submerged in water. Masks can last approximately 6 months with regular cleaning.

They should be changed when used for the following hours per day:

- 0-12 hours change every year
- 12-24 hours change every 6 months

Oxygen and Dryness

You may experience some drying in your nose and throat when you first start using home oxygen. This can ease over time, however if it is a problem, staying adequately hydrated can help, together with regular mouth and nose care. Please contact your healthcare professional for further advice.



Home Oxygen Safety (cont.)

Oils and Grease

Skin creams, sometimes known as emollients, are used by many people every day to help manage different dry skin conditions such as eczema and psoriasis. They are easily transferred from skin on to clothing, bedding and furnishings. When fabric with dried-on emollient comes into contact with a naked flame, **the fabric acts as a wick and the emollient product as an accelerant**, the resulting fire burns quickly and intensely. Changing and washing the bedding or clothing regularly can reduce a build up, but it does not totally remove it.

Therefore it is important not to smoke or come into contact with naked flames when using emollients.

- **NEVER** use oils or grease near your oxygen equipment or near a heat source
- **ALWAYS** ensure you inform your healthcare professional if you have been prescribed an oil-based product for a skin condition. A water-based product MAY be a suitable alternative
- **ALWAYS** make sure your hands are clean when using your oxygen equipment



Discuss with your healthcare professional or pharmacist if you are unsure.

Hand Sanitiser

Always rub it in completely, for at least 30 seconds, and ensure that it fully evaporates from your hands before you touch your oxygen equipment or go near a source of ignition.

Dynamic Air Flow Pressure Relieving Mattresses

Also known as 'air mattresses', these are provided for prevention and treatment of pressure ulcers (bedsores). They are filled with air by an electrical pump. If the mattress becomes punctured, the pump works harder to keep the mattress inflated. Where the puncture is caused by an ignition source such as smoking, this can cause a fire. When oxygen is in use, the fire can burn much hotter and spread much more quickly. Smoking in any bed is a high risk activity and as an oxygen user you must **NEVER** do so.

NEVER smoke, burn candles or use lighters/ matches in a room whilst using an air mattress.

NEVER place hot electrical items such as hair dryers or straighteners on an air mattress.

NEVER use electric blankets whilst using oxygen and an air mattress.

Home Oxygen Safety (cont.)

Beware of Tripping Over Your Oxygen Tube

Your healthcare technician will speak with you to determine the length of oxygen tubing that safely meets your needs. Please be mindful that excessive tubing increases the risk of tripping so everyone in your home should take extra care.

It is your responsibility to remain safe while using it.

Your oxygen equipment has been installed following a risk assessment by your healthcare technician. The length of your oxygen tubing will give you the greatest freedom around your home, keeping it as short as possible while meeting your needs, up to a maximum distance of 15 metres/50 feet, inclusive of the nasal cannula or mask tubing.

When moving around your home, please remember that the oxygen tubing is trailing behind you and around your feet. By always holding the tubing when you move, you will be more aware of it as you go about your activities.

Here are some tips:

- **ALWAYS** keep tubing away from your feet when walking and take care not to slip or trip over it, especially on staircases
- If you use a walking aid, loop the tubing around your ring finger. This will keep the tubing away from your feet
- Holding the tubing in your non-dominant hand keeps your dominant hand free for support
- Move the tubing from your side to directly in front of you when turning to sit on furniture or a toilet seat

Please take care to ensure:

- Your tubing does not get kinked, damaged, trapped in doors or crushed under equipment and furniture as this could affect the flow of oxygen. Checking the flow meter will also alert you if there is a blockage as the indicator ball will have dropped.
- Your tubing does not pass close to naked flames including gas fires, gas cookers and candles, or hot items such as electric cookers, heaters and lamps. These could damage or melt the tubing and cut off your oxygen supply or even cause a fire
- Children are supervised around the tubing at all times, ensuring they do not get tangled in it and adjust the flow or disconnect it
- Your pets do not bite or chew on the tubing

NEVER modify, remove, or tamper with the oxygen tubing and firebreaks.



Home Oxygen Safety (cont.)

Slips, Trips and Falls

You may like to consider making some adaptations to improve safety and reduce the risk of slips, trips and falls.

Here are some examples:

Rearrange furniture so that you can move around more easily

Coil cords and wires up close to the wall, the use of hooks are helpful

Organise appliances close to plug sockets

Ensure light bulbs and lights are working

Clear away clutter

Be aware of loose bedding on the floor

Clean up any spills or dropped food

Non-slip matting (e.g. in the bathroom) can help reduce the risk of slipping

Remove loose rugs/mats or secure with double-sided carpet tape

Install ramps

Stair lift/handrails

Raised toilet seat/frame

Easy access showers/shower seat

Riser recliner chair

Adjustable beds

Stay active to improve muscle strength, coordination and balance

Eyes and hearing test

Medications review

Correct supportive slip on footwear

Be aware that long, loose-fitting clothing can be trip hazard

Keep emergency numbers nearby

Keep a torch in the bedroom

Keep often-used items within easy reach

Speak to your healthcare professional who may be able to help and arrange an occupational therapist to help you carry out everyday activities more easily

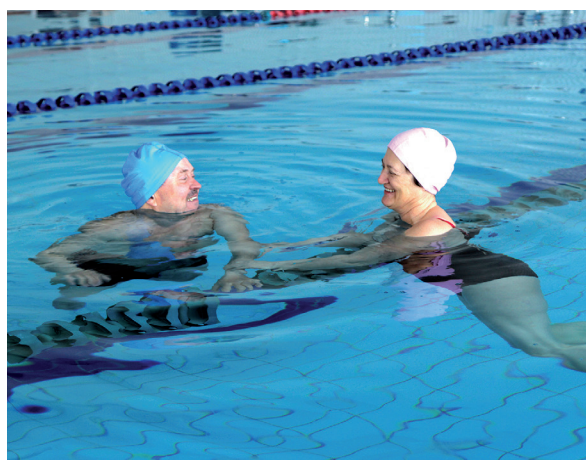
Contact your healthcare professional if you have any concerns regarding your mobility.

Contact our customer service team if you have any questions or are experiencing difficulties with your oxygen tubing.

Swimming

Oxygen should not stop you from joining in most everyday activities including swimming. You should check with your healthcare professional if it is safe.

Please contact the swimming pool in advance of your visit so they can accommodate your requirements. The portable oxygen equipment must be kept on the side of the pool so it does not get wet (you must **NEVER** use an oxygen concentrator at the poolside).



Concentrator Safety

Your technician will explain how to use your concentrator safely. It is important that you follow these instructions. The technician will check the main plug socket on installation and therefore every effort should be made to plug the concentrator into this socket directly (as per manufacturer's guidelines). If you choose to use an extension lead, then you take full responsibility for doing so as we cannot check the suitability of the extension lead being used.

Your concentrator will be installed in a location that is documented suitable and is safe for everyday use.

It is important that you:

- **ALWAYS** switch your concentrator off when you are not using it
- **ALWAYS** make sure that the operating controls are easy to access
- **NEVER** open or remove the cover
- **ALWAYS** keep your concentrator at least 1ft (30cm) away from walls, drapes, bedding, furniture, and keep in a well ventilated area.

It is important that you're aware that your concentrator can alarm (audible and/or visual) at any time during operation to alert you to a potential issue. Please refer to the troubleshooting section on page 19 for more details if this happens.

Back-Up Cylinders

As a patient with a concentrator you will also receive a back-up cylinder(s) to use in the event of a power cut or concentrator breakdown.

You should:

- **ALWAYS** ensure you know where your back-up cylinder(s) is located and that it is easily accessible especially in the event of a power-cut

- **ONLY** use your back-up cylinder(s) in the event of an emergency, concentrator breakdown or power-cut
- **ALWAYS** tell us if you have used your back-up cylinder as this needs to be full at all times
- **ALWAYS** keep a torch somewhere accessible in the event of a power-cut

Please refer to our Using Cylinders section on page 25 for information on how to use and store your back-up cylinder safely.

Your Electricity Provider

If you have a static or transportable concentrator, you should contact your electricity provider to explain that you are a patient on home oxygen and require electricity for your medical equipment to operate. Your electricity provider may be able to place you on a Priority Services Register and offer additional help and support. If you are on a pre-payment meter arrangement, you can benefit from notifying your electricity provider that you are an oxygen patient. If a patient 'has an illness or disability that could be made worse if they lose power', your electricity provider can help! They do this by:

- Replacing your pre-payment meter with a standard meter
- Ensuring you are placed on the vulnerable customer register by contacting your electricity supplier

You can register if you or someone in your household:

- Relies on medical equipment
- Have refrigerated medicines
- Have a serious or chronic illness
- Have a disability
- Is living with dementia
- Are of pensionable age
- Have mental health difficulties

Looking After Your Concentrator

Servicing and Maintenance

Your concentrator will be serviced annually, to ensure that it is working correctly and in line with the manufacturer's specifications. This is for your safety and to ensure your equipment is working properly.

It is important that our healthcare technicians are able to access your property and equipment to complete the service. Failure to allow this may result in your equipment being removed.

In addition to servicing the equipment, your technician will also:

- Check your tubing is in good condition
- Check the back-up cylinder(s) are full and working properly
- Provide replacement consumables

Cleaning

It is important to clean your concentrator and filter every week.

To clean the outer cover:

1. Turn your concentrator off and unplug it from the mains socket before cleaning
2. Use a damp cloth
3. Wipe it dry (**NEVER** use detergents or abrasive cloths)

A clean filter helps to prevent overheating and ensures the concentrator is working efficiently.

To clean the filter:

1. Remove the filter (if your technician has advised you of this) and replace it with the spare filter
2. Hand wash the filter in warm soapy water
3. Rinse the filter thoroughly and remove any excess water with a clean absorbent towel
4. Allow the filter to dry naturally
5. When the filter is completely dry it should be stored in a safe place

Do not operate the concentrator without a filter installed. If you do not have a filter, please call our customer service team.

(NB: the VisionAire 5 and Everflo concentrator does not have an external filter requiring weekly maintenance). The VisionAire 5 will need to be cleaned where the handles/vents are located on both sides. The Everflo will need the cover on the back of the device to be cleaned/hovered.

Concentrator Troubleshooting

My concentrator is not working and there is a constant audio alarm when the power switch is on?

Check that one end of the power cable is attached to your concentrator, the other is in the wall socket, and that the wall socket is switched on. If it is and this continues, use your back-up cylinder and call our customer service team.

There has been a power cut so I cannot use my concentrator?

Use your back-up cylinder during the power cut and contact our customer service team to determine if a replacement cylinder is required.

All user manuals can be downloaded by scanning this QR code.



My concentrator is on but oxygen does not flow?

Check that the tubing has not become trapped or kinked obstructing the flow. Check the position of the indicator ball as if this has dropped, it normally indicates a blockage. Check if you can feel the flow at the end of the cannula or dip the cannula tips into a glass of water - you should see bubbles if oxygen flowing. If the flow is still obstructed remove your tubing and cannula and replace. If this does not resolve the problem use your back up cylinder and contact our customer service team.

If you have any further questions please either ask your technician or call our customer service team or view our concentrator video on our website ie.healthcare.airliquide.com

Using Your Concentrator

Before using your concentrator it is important that you take the time to read this guide. If you have any questions please ask your technician or contact our customer service team.

At installation, our healthcare technician will:

1. Attach the oxygen tubing to the outlet connection on the concentrator
2. Insert the power plug into an electricity mains socket and switch the socket ON
3. Turn your concentrator switch to ON
4. Turn the flow control knob anti-clockwise until the ball inside the flow meter centres on the flow line number that has been prescribed by your healthcare professional
5. Check the oxygen flow and purity that your concentrator produces

To use your concentrator:

1. Turn your concentrator switch to ON. A test alarm will sound for a few seconds. This is normal, it is to check the alarm is working

If the test alarm does not sound when you switch the concentrator on, then please contact our customer service team.

2. When you are not using your concentrator you should turn it off. If you are not using the concentrator for a number of hours, switch it off at the mains socket

NEVER adjust the flow control on your concentrator unless instructed to do so by your healthcare professional.

NEVER move your concentrator from where your healthcare technician installed it.



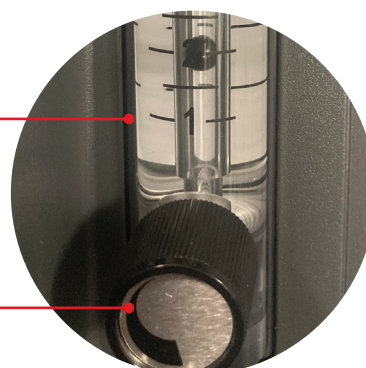
Flow meter

Control knob

Elapsed time meter

Circuit breaker

Power switch



Fixed Piping System



A fixed piping system may be installed subject to risk assessment, site survey and patient suitability. A fixed piping system would mean that a static concentrator would be sited in a central location in your home and a switch and tubing would be attached to the wall directing the flow of oxygen to other rooms. Our team will discuss best options for you based on your home situation and prescribed flow rate.

We will need your consent to complete this type of configuration in your home. Please be aware that a fixed piping system does not fully eliminate the risk of trips and falls as some tubing will remain on the floor. Be vigilant of your oxygen tubing at all times, especially before standing and/or when walking so that you always know where your tubing is.

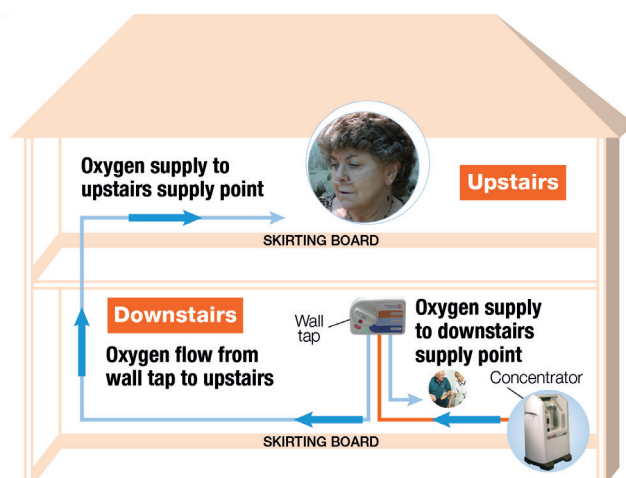


Diagram shows a typical piped installation.

Oxygen Cylinder Safety

(Static/Backup and Portable cylinders with or without conservers)

Your technician will explain how to use and store your cylinders safely in a clean, dry, well ventilated area. It is important that you follow these instructions:

- **ALWAYS** store your cylinders laid down or secured upright to prevent them falling over.
- **NEVER** attempt to remove or tamper with any part of your cylinders.
- **NEVER** remove the plastic guard from your cylinders as this protects the valve against accidental damage.
- **NEVER** use excessive force when opening or closing the flow selector.
- **ALWAYS** turn off the cylinder by turning the flow selector to 0 (zero) when you are not using them, or when they are empty. You may hear a short 'hissing' sound after doing this, which is normal.
- **ALWAYS** be vigilant in checking the cylinder. Ensure there is sufficient oxygen by checking the contents indicator, that there are no kinks in the tubing, the cylinder is on, and is delivering the correct flow rate. This is particularly important when the cylinder is located in a different room to the patient.

When travelling with cylinders in any vehicle **ALWAYS** ensure they are transported and secured safely. For example, in the car boot, behind the front seats or in the back seat with a secure fastening. For more information on travelling with oxygen in a vehicle go to <https://ie.healthcare.airliquide.com/patients-oxygen-therapy/travelling-oxygen>



Cylinder Care

Changing to a New Cylinder

The contents gauge will show you how much oxygen is remaining in the cylinder.

When the contents gauge indicates the cylinder is empty (in the red zone), you will need to connect your tubing to a new cylinder. You can do this safely and effectively by following these steps:

1. Turn the flow selector to 0 (zero) to close
2. Remove your tubing from the oxygen outlet on the cylinder
3. Now follow the **'Using Your Cylinders'** section on page 25

Replenishments and Maintenance

To order replacement cylinders you will need to call our customer service team at least three working days before you require delivery, bearing in mind that deliveries are only be made Monday – Friday.

Your technician will only replace cylinders that are empty. Additional cylinders cannot be left as the number of cylinders you have been allocated will have been prescribed by your doctor.

If your requirement has changed and you feel you need additional cylinders or would like your cylinders removed, please contact your healthcare professional.

Cylinder Troubleshooting

My cylinder is on and I have selected my flow rate but the oxygen does not flow?

Check the contents indicator gauge and replace the cylinder if it is empty. If it is not empty, check that the tubing has not become trapped or kinked, obstructing the flow.

If the flow is not obstructed try replacing the cannula with a new one. If you are still having problems, call our customer service team.

When my cylinder was delivered the needle was not at the top of the contents gauge, is it full?

As long as the needle is in the green section of the gauge, the cylinder is full. (This diagram is to illustrate the green section only, the other colours on the gauge may vary between cylinders).



If you have any further questions please either ask your technician or call our customer service team or view our cylinder video on our website ie.healthcare.airliquide.com

Anticipated Flow Rate & Durations

Cylinder B1	1 Litre CC
Size (LTR)	1
Pressure (BAR)	300
Flow Rate Setting L/MIN	Duration (HH:MM)
0.5	10:00
1.0	5:00
1.5	3:18
2.0	2:30
3.0	1:42
4.0	1:12
5.0	1:00
6.0	0:48
8.0	0:36
10.0	0:30
15.0	0:18

Cylinder B2	HC02HQ
Size (LTR)	2
Pressure (BAR)	230
Flow Rate Setting L/MIN	Duration (HH:MM)
0.5	16:20
1.0	8:10
2.0	4:05
3.0	2:43
4.0	2:02
5.0	1:38
6.0	1:22
8.0	1:01
10.0	0:49
12.0	0:41
15.0	0:32

Cylinder B10	HC10HQ
Size (LTR)	10
Pressure (BAR)	200
Flow Rate Setting L/MIN	Duration (HH:MM)
0.5	70:00
1.0	35:00
2.0	17:30
3.0	11:40
4.0	8:45
5.0	7:00
6.0	5:50
8.0	4:23
10.0	3:30
12.0	2:55
15.0	2:20

Using Your Cylinders

Before using your cylinders it's very important that you understand the safety instructions as highlighted on pages 22 to 24 of this booklet. In addition please refer to the Patient Information Leaflet (PIL) provided to you on installation.

Please be familiar with the Red Warning label that is present on your cylinders as it details very important safety information when turning on and using your cylinder. If you have any questions please ask your technician or contact our customer service team on 1800 24 02 02.



WARNING

Medicinal Oxygen presents an additional risk of fire when turning on.

Ensure the cylinder is set up and tested in a well ventilated place with the outlet facing away from the operator/patient, and never on the patient's bed.

Where possible, avoid placing the cylinder on the patient's bed when in use.

Opening your Cylinders

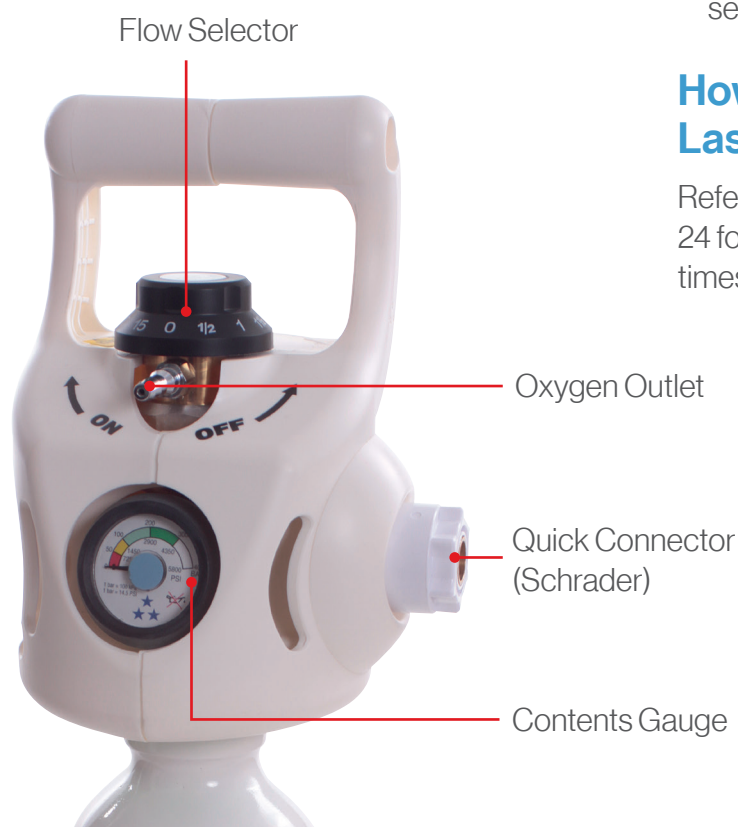
1. Check the contents gauge to make sure the cylinder contains oxygen
2. Make sure that the flow selector is set to 0 (zero)
3. Attach your tubing to the oxygen outlet
4. Turn the flow selector to the flow rate that has been prescribed by your healthcare professional

Closing your Cylinders

1. Turn off the cylinder by turning the flow selector to 0 (zero)

How Long Will My Cylinder Last?

Refer to your cylinder specification on page 24 for information on flow rates and duration times.



Conserver

When we breathe we spend most of our time breathing out. When a cylinder is used with a continuous flow, most of the oxygen is wasted. A conserver cuts out that waste by providing a precise amount of oxygen at the point of breathing in.

A conserver should only be used with portable cylinders, it can make the cylinder last up to three times longer. You should only use this device with a nasal cannula and if you have been assessed for same.

Connecting your conserver

1. Place the cylinder into the portable carry bag provided.
2. Place the conserver into the pocket at the front of the bag.
3. Connect the female end of the coiled tubing to the outlet connector on the cylinder.
4. Secure the female end with the tube clamp.
5. Connect the quick connect end of the coiled tube to the cylinder connection on the conserver.
6. Connect the cannula tubing to the cannula connection on the side of your conserver.

Important

Conservers are not suitable for patients under seven years old.

NEVER use whilst sleeping.

NEVER shorten the tubing.

A mask is unsuitable for use with a conserver.

Mediline conserver

- Set the Cylinder valve to 4LPM and set your prescribed setting on the conserver
- Connect the nasal cannula to the output connector
- Put on the nasal cannula and start to breathe



Conserver (cont.)

Valve Conserving Devices

Oxymo is a 2 piece oxygen conserving system used for 0.5 to 7.5lpm requirements inserted directly into the valve on the side of the cylinder. This will need to be added and removed from the cylinder. All controls regarding your prescription are managed on the conserver box.



Pic 1



Pic 2

- Connect the regulator as shown in picture 1
- The device is switched on by pushing the key ON/OFF. During the starting test (3 seconds) all the symbols on the screen blink together with an acoustic signal. After the test, OXYMO is ready to operate in Conserver Mode
- Connect the nasal cannula to the output connector
- Put on the nasal cannula and start to breath

Sabre Elite is a pneumatic conserver delivering up to 8 settings. It works in a different way to most conservers. It is a quieter system than most other conservers and is completely managed on the valve. As it's always turned on it therefore should be removed when not in use. The Sabre Elite delivers 1 to 8 settings.

- Connect the cannula to the conserver outlet
- Connect the conserver to the side outlet of the cylinder
- Select the prescribed setting on the conserver



Portable Oxygen Concentrators (POC)

Inogen Range/ROVE 6 or Caire FreeStyle Comfort

How do these work?

These are a mini, lightweight, portable oxygen concentrator solution that is intended for portable use for active users and can be moved around easily. They take in room air through the air intakes and then pass it through an absorbent material called a molecular sieve. This material separates the oxygen from the nitrogen in our normal room air and allows only the oxygen to pass through. The result is a flow of high-concentration oxygen delivered to the user via nasal prongs/cannula.

These are **suited to users who can breathe through the nose and** for persons who have been assessed for pulsed activation. Pulsed activation means that the device will only deliver oxygen as you make the effort to breathe in. Your prescriber will always check you are able to trigger the device, walk test you on the equipment to ensure it is meeting your oxygen requirements and will prescribe the relevant settings for your situation.

It is ideal for those requiring their own independence in managing their oxygen needs as it's as simple as charging and going.

These are generally quiet, easy to use and easy to maintain.

POC's may be used around the home, in a vehicle or other transport modalities eg. plane, train, car, bus etc and while out and about. This device is to be used as an oxygen supplement and is not intended to be life sustaining or life supporting. These are only suitable for daytime use and should not be used while sleeping.

All devices have an internal battery which allows the user independence inside and outside the home. **They can also be used off a mains supply or a car battery/DC supply. They are FAA approved and can be used in-flight.**

These devices allow patients the ability to continue living life to the full and travel easily with the peace of mind that they can simply charge when needed and they have control. The user can manage themselves around their routine and plans.

These units need electricity to charge the battery. Your prescriber can order additional batteries if you are very active, on higher settings for out of your home for long periods of the day.

The POC range allows a range of up to 6 settings. Your clinician will advise you on the appropriate prescribed settings for you.

NEVER change your oxygen prescription without your prescriber advising you to do so. Too much and too little oxygen can be harmful.

If you are travelling outside of the ROI with your equipment - please refer to our travel section for best advice.

A Trolley option and Backpack bag are also an option.

Spare batteries are also available.

All additional items will need to be ordered by your prescriber.

Portable Oxygen Concentrators (POC)

Inogen Range/ROVE 6 or Caire FreeStyle Comfort (cont.)

Inogen Rove 6 Specifications:

O₂ purity 90% - +5.5/-3%% at all flow rates.
Sound Level 37 dB.
Flow settings pulse dose 1 to 6.
Battery time - see table
Weight – 2.2 Kg.
H – 20.7 cm W – 18.26 cm D – 8.28 cm.

This table shows the typical durations for a new battery pack.

Device Setting	Extended Battery Duration in Hours (BA-516)
1	Up to 12:45
2	Up to 10:15
3	Up to 6:30
4	Up to 5:15
5	Up to 3:30
6	Up to 2:30



NOTE: Battery time varies with flow setting and environmental conditions. Time shown is an average and may vary $\pm$ 10%.

Inogen 5 Specifications:

O₂ purity 90% - +5.5/-3%% at all flow rates.
Sound Level 38 dB.
Flow settings pulse dose 1 to 6.
Battery time - see table
Weight – 2.2 Kg.
H – 20.7 cm W – 18.26 cm D – 8.28 cm.

Pulse Flow Setting	16 Cell Battery Life
1	Up to 13 hours
2	Up to 10 hours
3	Up to 7 hours
4	Up to 5 hours
5	Up to 3 hours and 48 minutes
6	Up to 2 hours and 45 minutes



Portable Oxygen Concentrators (POC)

Inogen Range/ROVE 6 or Caire FreeStyle Comfort (cont.)

Inogen G3 Specifications:

O₂ purity 90% - +5.5/-3%% at all flow rates.
Sound Level 39 dB.
Flow settings pulse dose 1 to 5.
Battery time - see table
Weight – 2.2 Kg. H – 18.4 cm W- 22.2 cm D - 7.6 cm.

Pulse Flow Setting	16 Cell Battery Life
1	9.5 hours
2	8.5 hours
3	6 hours
4	4.0 hours
5	3.3 hours



Caire Freestyle Specifications:

O₂ purity 90% - +5.5 / -3%% at all flow rates.
Sound Level 39.93dB.
Flow settings pulse dose 1 to 5.
Battery time - see table
Weight – 2.3 Kg. H – 25.4 cm W- 18.5 cm D - 7.9 cm.

Pulse Flow Setting	Double 16 Cell Battery Life
1	Up to 16 hours
2	Up to 8 hours
3	Up to 6 hours
4	Up to 4.5 hours
5	Up to 4 hours



All POC device models have basic alarms to alert the user to an issue. Please refer to the troubleshooting section for your device. You will find this information in your user manual.

All user manuals can be found by scanning the QR code.

The device has an alarm that can be activated if you do not trigger the device by breathing through your nose. If you notice any change to this or do not hear the normal pulse sound from the device, it is important to notify your prescriber that something has changed. These are mostly used to let you know how much time you have left in your battery and if there is any issue with the device not delivering the level of oxygen required.

Portable Oxygen Concentrator (POC) Safety

Please refer to the comprehensive safety section in this user guide.

Check your device passes its system self test and that it is at the correct prescribed setting.

If you are planning to leave your home with the device it is important to check that you have enough charge in your device and that you take an alternate back up supply if leaving the home for long periods.

As POC's are an electrical device intended for use outside the home, it is important that the device should be kept dry at all times. Exposure to water could lead to electrical shock and/or damage.

Take care to check the charging leads for signs of wear and tear and contact us if any issue, damage or fraying.

Turn the device off when not in use.

Please refer to the user manual which accompanies your device or view the user manual by scanning this QR Code



Do not use your device with any other equipment.

Do not spill any liquids on the device.

Care and Maintenance

- Perform periodic visual inspection of the device and report any issues.
- Basic care required to outer casing of the device. Unplug and clean at least weekly with a damp cloth.
- The particle filters must be cleaned weekly to ensure the ease of air flow.
- Remove the particle filters from both intake ends of the device.
- Clean the particle filters with a mild liquid detergent and water, rinse in water and dry fully before reuse.

Transportable Oxygen Concentrator (TOC)

A transportable oxygen concentrator is a larger concentrator device which can be wheeled with you and used on battery, mains and DC (in some settings) and can generally deliver higher oxygen flows. They can also be used in cars, planes, boats, and trains. These are used to provide continuous flow oxygen from 0.5 to 3lpm and Pulse delivery up to a bolus of 192mls. These can be used for overnight delivery as well as on the go. It has inbuilt alarms to alert the user to any issue with oxygen delivery and can easily be toggled between continuous and pulse delivery if needed. These are a heavier device than a POC weighing approximately 7Kg and come with a trolley as a standard. It is important to consider that this device will need to be lifted in and out of a vehicle and may be unsuitable for more frail users. This device would be unsuitable if the user is trying to manage stairs/steps.

Transportable concentrators act as both a temporary static concentrator whilst also providing the freedom to continue to use ambulatory oxygen whilst away from home. They are the ideal solution for home oxygen users who are active and away from home for long periods at a time. There is no need to wait in for cylinder replenishments with this option as the user can charge and go. The device can be used as a static concentrator when used in continuous flow mode and can be used temporarily with other devices such as CPAP and bi-level devices. Your prescriber will advise you regarding this if required.

It is important to use the mode and prescribed level of oxygen as recommended by your physician and to check the device is in the correct mode. When being used in continuous mode, the user will see LPM and when in pulsed mode the user will see mls/setting.

For all users of POC's and TOC's - you may need to consider requesting additional batteries if you are very active or if you are travelling.

Most airlines recommend the user bring their requirement and up to 50% extra battery life. Please refer to your manual for guidance on this.

Sequal Eclipse Specifications:

Size H – 19.3 inches x W – 12.3 inches x D – 7.1 inches.

H – 49.0 cm x W – 31.2 cm x D 18.0 cm.

Weight Eclipse 15 pounds - Power Cartridge 3.4 pounds.

Innovative Universal Cart – easy to move around and allows easy battery access.

Continuous Flow Settings 0.5, 1.0, 1.5, 2.0, 2.5, 3.0lpm.



Transportable Oxygen Concentrator (TOC) (cont.)

Pulse Dose Settings:

Bolus Volume (+/- 15%)	Pulse Dose Setting	Bolus Size) ± 15%) ml.	AC Power Supply & Power Cartridge (Battery)	DC Power Supply
			Max Breath Rate	Max Breath Rate
	1.0	16	40	40
	2.0	32	40	40
	3.0	48	40	40
	4.0	64	40	31
	5.0	80	37	25
	6.0	96	31	20
	–	128	23	15
	–	160	18	12
	–	192	15	10

User Care and Cleaning of your TOC Device

Ambient air is drawn into the device through the air inlet located on the top rear of the device. Cleaning the air inlet filter is the most important maintenance activity you will perform as a user, cleaning the air inlet filter will keep your Eclipse performing properly. Check this air inlet filter daily and clean it at least once a week using the following procedure:

1. Remove the air inlet/foam filter at the back of device
2. Wash the filter in warm tap water using a mild soap detergent solution
3. Rinse the filter thoroughly with clear tap water and squeeze out the excess water
4. Allow the filter to air dry
5. Reinsert the clean filter back into the cabinet



CAUTION

The Air inlet filter should be free of liquid water and dry to the touch before re-installation. Moisture in the filter may impair proper operation of the eclipse.

Note that the service port is exposed (when the air inlet filter is removed).

DO NOT attach any cables to this service port. The part is to be used by a qualified service technician only.

DO NOT place foreign objects into or through the vent holes of the air inlet or exhaust vent.

Transportable Oxygen Concentrator (TOC) (cont.)

The air inlet filter should be replaced as needed. If the Eclipse is used in a dusty environment, the filter may need to be replaced more frequently. You should not operate the Eclipse without an air inlet filter installed.

AC Power Supply, DC Power Supply, Power Cord and Outer Case: Turn OFF the Eclipse and disconnect from AC or DC power before any cleaning or disinfection activity. Use a damp (not wet) cloth or sponge. You can use a mild detergent solution to clean the cabinet and power supplies.

Universal Cart: Before cleaning the Universal Cart, remove it from the Eclipse. Use a damp (not wet) cloth or sponge and mild detergent solution to clean the Universal Cart.

Battery Life

Typical New Power Cartridge Operating Times

Flow Rate Setting	Continuous Flow (LPM)	Setting (mL)	Pulse Dode Mode (12 BPM)
0.5	4.4 hours	–	–
1.0	3.7 hours	16mL 1.0	5.4 hours
2.0	2.0 hours	32mL 2.0	5.1 hours
3.0	1.3 hours	48mL 3.0	4.9 hours
–	–	64mL 4.0	4.0 hours
–	–	80mL 5.0	3.7 hours
–	–	96mL 6.0	3.5 hours
–	–	128mL	2.5 hours
–	–	160mL	2.0 hours
–	–	192mL	1.7 hours

NOTE: Battery times will decrease with higher bolous size, breath rate, ambient temperature. Battery age and use over time.

PLEASE NOTE: The Sequal Eclipse 3 will not operate on DC if using above 2lpm continuous flow or 96mls/Setting 6. If the other settings are required then the device will run on the battery of the device.

Transportable Oxygen Concentrator (TOC) (cont.)

Sequal Eclipse 3

Setting available when operating on DC

Flow Rate Setting	Continuous Flow	Bolus Size (mL)	Pulse
0.5	Yes	–	–
1.0	Yes	16mL	Yes
1.5	Yes	24mL	Yes
2.0	Yes	32mL	Yes
2.5	No	40mL	Yes
3.0	No	48mL	Yes
–	–	56mL	Yes
–	–	64mL	Yes
–	–	72mL	Yes
–	–	80mL	Yes
–	–	88mL	Yes
–	–	96mL	Yes
–	–	128mL	No
–	–	160mL	No
–	–	192mL	No

NOTE: When operating with a DC Power Supply, Eclipse settings greater than 2.0 LPM. Continuous Flow, will automatically switch to the 2.0 LPM Continuous Flow setting.

NOTE: Actual performance of the Eclipse may vary depending upon usage conditions of the motor vehicle.

Sequal Eclipse 5

All settings are available on DC mode on the Sequal Eclipse 5

Flow Rate Setting	Continuous Flow	Bolus Size (mL)	Pulse
0.5	Yes	–	–
1.0	Yes	16mL	Yes
1.5	Yes	24mL	Yes
2.0	Yes	32mL	Yes
2.5	Yes	40mL	Yes
3.0	Yes	48mL	Yes
–	–	56mL	Yes
–	–	64mL	Yes
–	–	72mL	Yes
–	–	80mL	Yes
–	–	88mL	Yes
–	–	96mL	Yes
–	–	128mL	Yes
–	–	160mL	Yes
–	–	192mL	Yes

Transportable Oxygen Concentrator (TOC) (cont.)

Eclipse 5 Troubleshooting:

Please refer to the user manual for your device. The alarms on this device are similar to a standard concentrator. You can access the manual by scanning this QR code.



For all users of POC's and TOC's - you may need to consider requesting additional batteries if you are very active or if you are travelling.

Most airlines recommend the user bring their requirement and up to 50% extra battery life. Please refer to your manual for guidance on this.

Troubleshooting Table **DO NOT** Ignore Alarms

Symptom	Probable Cause	Remedy
Eclipse does not power on when ON/OFF button is pressed	No Battery installed.	Install Battery or plug into external power.
	Battery is discharged or no external power is present.	Plug into external power.
	AC or DC Power Supply is not plugged in correctly.	Check plug at outlet, Power Supply box and at the Eclipse to ensure properly plugged in.
	Insufficient power from the outlet.	Ensure there is adequate power from the outlet. (Outlet may be controlled by a wall switch or the circuit breaker may have engaged.).
	Other.	Contact your dealer/provider.
No Oxygen	Filter blocked.	Clean air inlet filter.
	Humidifier.	Check humidifier attachment and tubing.
	Eclipse not ON.	Power Eclipse ON.
	Tubing or cannula is not properly connected or kinked.	Check tubing, cannula and connections.
	Other.	Contact your dealer/provider.
Low Oxygen Concentration	Restriction in tubing or humidifier.	Repair or replace tubing or humidifier. Place your Eclipse so there is adequate air flow.
	Filter restricted.	Clean or replace air inlet filter. Place your Eclipse so there is adequate air flow.
	Exceeding maximum breath rate in Pulse Mode. •See Pulse Dose Mode Breath Rate Chart (p 33).	Switch to Continuous Flow Mode until respiratory rate resumes to an acceptable rate.
	Other	Contact your dealer/provider.
Low Oxygen Flow	Restriction in humidifier or tubing.	Repair or replace humidifier or tubing.
	Filter blocked.	Clean or replace air inlet filter.
	Other.	Contact your dealer/provider.
No Oxygen Delivered in Pulse Flow Mode	Tubing/cannula longer than 7 feet (2.1m).	Attach 7 feet (2.1m) tubing/cannula.
	Humidifier attached	Remove humidifier.
	No inspiration detected.	Contact your dealer/provider.
	Unit in Continuous Mode.	Switch to Pulse Mode.
	Nasal cannula not in the nose or mouth breathing.	Place nasal cannula in nostrils and breath through your nose.
Power Cartridge Status Gauge never indicates fully charged	Pulse Cartridge (Battery) is aging.	Contact your dealer/provider to replace Power Cartridge (Battery).

Self Filling Concentrator and Cylinder Systems for Home

eg. HomeFill or iFill

These systems are recommended in some situations and are intended to allow the user more independence and control over their ambulatory needs. In essence the user can fill their own cylinders at home during the day. Normally these systems comprise of either a 2 piece concentrator and compressor system or an integrated concentrator and cylinder filling port system.

Filling times for cylinders on average can range between 90 to 220 mins. These systems are only suited for adult users who have the ability to trigger a conservator as normally these are built into the cylinder and can be limiting.

The concentrator part of the system is used for delivering normal oxygen requirements at home as well as at the same time filling a cylinder.

It is really important that you are titrated on the cylinder type prior to prescription. Your prescriber will best advise if this system is suited to your needs.



Holiday Information

At Air Liquide Healthcare we understand that many things have changed in your life since receiving your oxygen, especially around holidays and travel. We will do our utmost to help you plan your oxygen requirements and arrive at your destination with the required equipment and services as you have at home. However, it is important that you plan your trip in advance and that you seek medical advice if air travel is part of your holiday arrangements.

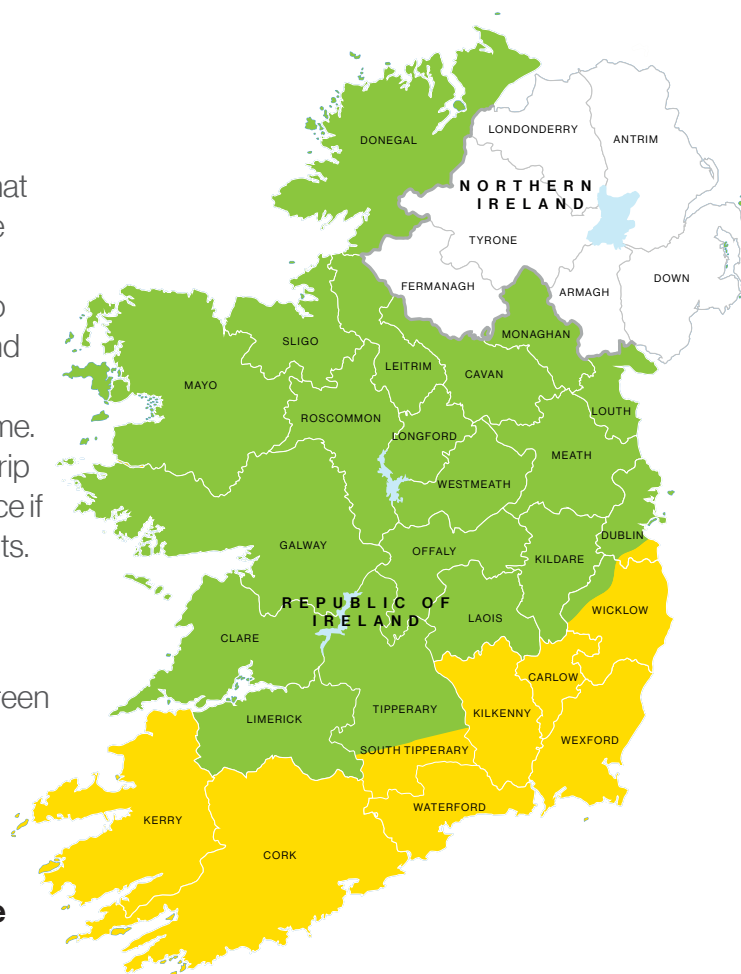
Travelling within Ireland

Air Liquide can supply oxygen within our contracted regions (see areas marked in green in map opposite). We are unable to supply oxygen in non contracted areas (marked in yellow) and in Northern Ireland due to contractual agreements in place.

If you are travelling within an Air Liquide Area (marked in green above):

1. You can choose to bring your equipment to another location. If you need replenishments you will need to provide us with your temporary holiday address. ALWAYS transport your equipment safely. For guidance on how to transport oxygen safely please contact Air Liquide or consult with your home delivery technician for best advice.
2. Should you require Air Liquide to deliver your equipment, you will need a Holiday oxygen request from the HSE with
 - Your holiday address
 - Dates for travel
 - A contact number and details of who can take receipt of your oxygen equipment before you arrive at your destination.

We will complete a risk assessment and deliver oxygen to this location. You can order your replenishments to the temporary address while on holiday.



****Please note** if you are a private patient (non medical card holder) you will incur an additional charge please contact our customer service team for further details.

If you are travelling outside of an Air Liquide Area in the Republic of Ireland (marked in yellow).

You will need the HSE to organise this order for you. A Home Oxygen Order form will be required from your prescriber, stating the equipment required, holiday address and dates of your holiday. This needs to be sent to your local HSE office who will in turn send the order to the equipment supplier within the region you are travelling to.

Should you bring any of your Air Liquide equipment and run into any difficulty, we will be unable to support you in a region that we do not cover (this includes the area marked in yellow and white).

Holiday Information (cont.)

Travelling to and from your Destination

If you use portable oxygen equipment **REMEMBER** to take enough for your return journey. **ALWAYS** bring home any oxygen equipment, chargers and accessories that you take from your home supply and do not leave it at your destination.



If you are unable to travel or your plans change you should call our customer service team.

Transporting your Oxygen Equipment Safely

When travelling with your oxygen equipment in a car, **it is your responsibility to ensure it is secured safely**. Please safely secure spare cylinders in the boot. If sitting in the front passenger/driver seat; secure your portable oxygen equipment behind the front seat or strapped in the back seat. **NEVER** leave equipment where it can move or roll around. **ALWAYS** secure. **ALWAYS** transport your static concentrator behind a seat or upright and secure in the boot with the flow meter turned off.

NEVER smoke or vape or allow anyone else to do this while using oxygen in the car.

NEVER use oxygen in a fuel station.

NEVER store cylinders in the car unattended. Place them in the boot out of view.

ALWAYS keep the car well ventilated when carrying oxygen.

ALWAYS keep your liquid portable unit upright at all times.

ALWAYS keep the amount of oxygen cylinders in your car to a minimum.

ALWAYS remove oxygen cylinders from your electric mobility scooter when not in use.

ALWAYS bring your POC/TOC in car charging cables if planning to run off a car battery. Always ensure the car is on and running first.

Going on Holiday - Abroad

Travelling Abroad

If you are travelling outside of Ireland or travelling by aircraft, it is important to plan your oxygen requirements well in advance (up to 6 weeks). You will need an updated copy of your prescription and discuss equipment options with your prescriber. It is recommended that you contact the Irish embassy for the country you are travelling to for best advice on how to go about ordering your oxygen at a local level. There are also many private companies who assist oxygen patients while holidaying. You will need to pay a fee for these services.

Static or stationary equipment provided by Air Liquide for your home oxygen service cannot be taken out of the country. Air Liquide is not able to arrange oxygen services or support any user outside of Ireland, however we can offer the following help and advice:

If you are travelling within Europe we recommend that you apply for a EHIC (European Health Insurance Card). This gives you the right to access state provided healthcare during a temporary stay in the European Union. Visit <https://www2.hse.ie/services/schemes-allowances/ehic/> for the current and up to date information, alternatively you can call HSE Live on 1800 700 700 or +353 1 240 8787 from outside of Ireland.

It is your responsibility to organise Holiday insurance or Private Health cover to manage any issues that may occur while travelling.

Please note that Air Liquide Healthcare are independent of the following named companies. We can offer no guarantees as to the reliability or safety of any equipment supplied by other companies.

We do not endorse or recommend any specific company.

Oxygen Worldwide
Can arrange supplies worldwide
Tel: (0034) 966 882 873
Email: info@oxygenworldwide.com
Website: www.oxygenworldwide.com

Omega Advanced Aeromedical UK
Cruise/airport oxygen assistance, overland tour oxygen, medical escorts.
Tel: (0044) 345 100 0084
Email: info@omega-oxygen.com
Website: www.omega-oxygen.com

Other useful resources include:

- The Department of Health
<https://www.dfa.ie/travel/>
- COPD Support
<https://copd.ie/living-well-with-copd/travelling-with-copd/>
- Air Liquide Healthcare - Travelling with Oxygen
<https://ie.healthcare.airliquide.com/patients-oxygen-therapy/travelling-oxygen>

Going on Holiday - Abroad (cont.)

Planning on Travelling by Plane or Boat?

Before booking your ticket you should discuss your plans with your healthcare professional. If you plan to fly, you may need a fitness to fly assessment and confirmation from your airline carrier.

You should also confirm:

- The carrier's policy on travelling with oxygen such as POC's/TOC's and oxygen services available via your carrier (usually chargeable for each part of your journey)
- The duration of your equipment's battery and should you need to order more for the journey or any delays that may occur - usually recommended up to 50% more battery life.
- The exact length of the flight or cruise
- The facilities eg. charging points and assistance available at ports of departure and arrival

Once you have agreed your holiday plans with your healthcare professional, make sure that your travel insurance provider is aware of your oxygen requirements.

Air Liquide healthcare Ireland are providing this information as a basic guide to travelling either within Ireland or outside of Ireland. Each airline and travel destination will have different rules regarding the safe use and transportation of oxygen. Please thoroughly research what is required for you during your holiday.

Air Liquide healthcare can accept no responsibility for any travel plans made by the user, we provide this equipment on the proviso that the end user understands there is no technical support cover when equipment is taken outside of the Air Liquide Ireland covered regions.

How to Contact us with a Concern or Compliment

How to Tell us if You Have a Concern

If you have any problems or concerns with our service you should call our customer service team or email us.



Freephone: 1800 24 02 02
Email: healthie@airliquide.ie

Alternatively, you can write to us:
Air Liquide Healthcare Ireland Ltd
Stratus House
Unit 1 IDA College Park
Blanchardstown Road North
Dublin 15
D15 PEC4

How to Pay a Compliment

If you are happy with the services you have received from Air Liquide, we would love to hear from you. You can feedback compliments using the same details as above. As part of our commitment to providing your Home Oxygen Service, your feedback is really important to us to allow us evaluate, change and improve our services. On installation of our equipment and on subsequent visits, we will ask for your consent to share educational materials, complete surveys and give us your feedback. If at any point you prefer to stop, all you need to do is advise us in writing.

Useful Contacts

Stop Smoking Service

Free friendly advice and support is available if you want to stop smoking.

Freephone: **1800 201 203**
Freetext: **QUIT to 50100**
Website: <https://www2.hse.ie/living-well/quit-smoking/>

COPD Support Ireland

Website: <https://copd.ie/>

Irish Lung Fibrosis Association

The Irish Lung Fibrosis Association provides research, education and support for lung Fibrosis patients and their families.

Website: <https://ilfa.ie/>

Pulmonary Hypertension Association

Website: <https://www.pulmonaryhypertension.ie/>

CF Trust

Helpline: **1890 311 211**
Website: <https://www.cfireland.ie/>

Migraine Ireland

Understanding of Cluster Headache.

Website: <https://migraine.ie/cluster-headache/>

Patient Declaration

As a home oxygen user it is important that you understand what equipment is in your home and how to use it safely.

After completing your initial installation and after each risk assessment your technician will ask you to sign the following statement. This will be saved to your patient record.

I confirm that I have been trained in the safe use of the equipment provided and have received important safety information.

I am satisfied with my installation and understand:

- All oxygen equipment provided is the property of Air Liquide, which is on loan to the HSE
- Air Liquide will visit my home on a regular basis to service the equipment and carry out a risk assessment
- The dangers of smoking/vaping and that I must not smoke or let anyone smoke/ vape near me whilst using the oxygen equipment. This includes both cigarettes and e-cigarettes
- I should never use or store oxygen equipment within 3 metres (10 feet) of open fires or naked flames such as cigarettes, e-cigarettes, matches, lighters, boilers, gas cookers, open gas fires, candles, or machinery and electrical charging units which could create sparks
- I should never use or store oxygen equipment within 1.5 metres (5 feet) of heat sources (e.g. a radiator) and electrical appliances such as, televisions, hair dryers, and toasters
- The oxygen equipment must be kept clean and dry
- I should only use water-based products when using my oxygen equipment and that I should never use petroleum jelly or other oil-based products
- The airflow to the oxygen equipment must not be obstructed and that I must allow adequate ventilation
- The items attached to the oxygen equipment or within the tubing have been provided as an integral part and for my safety and must not be removed or tampered with
- The fire breaks must not be removed
- The oxygen installation must not be altered without prior consultation and with agreement from Air Liquide
- Not to use any oxygen equipment that has not been requested by a healthcare professional and provided by Air Liquide
- How to order replenishments and/or contact Air Liquide if there is a problem with my equipment

I accept responsibility to keep the equipment in a safe condition and location as instructed by Air Liquide and to return it to Air Liquide when it is no longer required. I understand that failure to return the equipment to Air Liquide may result in prosecution.



Contact us
Freephone: **1800 24 02 02**
Email: **healthie@airliquide.ie**

Contact:
Air Liquide Healthcare Limited
Stratus House, Unit 1, IDA College Park, Blanchardstown Road North,
Dublin 15, D15 PEC4.
Email: healthie@airliquide.ie
Tel: 1800 24 02 02
ie.healthcare.airliquide.com

Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.

08/2025



Tel: 1800 24 02 02
Open 24 hours for urgent
technical assistance



Home Oxygen User Guide



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