

National accredited provider for home oxygen therapy for veterans



**Home medical oxygen therapy and
respiratory service equipment catalogue**



Protecting patients, offering support and guidance to healthcare professionals

Your trusted provider of home oxygen therapy and respiratory products for veterans

Air Liquide Healthcare has over 20 years of proven experience in providing medical products and services for oxygen and PAP therapies to entitled veterans throughout Australia.

Our highly-qualified staff are committed to providing your patients with the very best care with a focus on education, assessment, therapy initiation and on-going support.

We offer innovative solutions to promote your patient's independence and quality of life.

DVA home oxygen therapy application form D804 can be downloaded from www.airliquidehealthcare.com.au/dva

DVA website: www.dva.gov.au

The Air Liquide Healthcare website now has all the information for prescriber ordering and DVA forms. All the user manuals are on our site also.

Please direct all enquiries regarding veteran medical eligibility criteria to Air Liquide Healthcare on **1300 36 02 02**.





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Funding for eligible veterans

Home oxygen therapy

Hospital and state funding programs do not apply to veterans. Oxygen therapy and respiratory home appliances are autonomous from state funding schemes.

Authorised medical oxygen prescribers are limited to:

- ✓ Respiratory physicians
- ✓ Physicians
- ✓ Cardiologists
- ✓ Oncologists
- ✓ General practitioners*

* in rural areas, where access to an appropriate specialist is impractical

Respiratory home therapy appliances

Authorised prescribers include medical oxygen prescribers plus:

- ✓ Respiratory clinics
- ✓ General practitioners
- ✓ Specialists
- ✓ LMO
- ✓ Registered nurses
- ✓ Physiotherapists

Simply complete the DVA 'Home medical oxygen therapy and respiratory accessories application' form or prescription with similar details and email or fax it to Air Liquide Healthcare.

Prescriber support services



Our services support both prescribers and veterans. All services are performed by healthcare professionals, not industrial agents, to ensure peace of mind, safety and ongoing benefits for all of our respiratory patients.

Air Liquide Healthcare prescriber support

- Direct processing of all eligible home oxygen application forms
- Liaise with DVA for any requirements
- Home oximetry data collection service to assess the veterans oxygen needs

Medical oxygen eligibility criteria

DVA guidelines

Home medical oxygen therapy will be provided by Air Liquide Healthcare to veterans, war widowers or dependants provided that medical and veteran eligibility criteria are fulfilled. Simply fax or email the completed, signed home medical oxygen application form to Air Liquide Healthcare and let us do the rest including communicating to the Department of Veterans' Affairs regarding prior approval and medical criteria eligibility requirements.

Medical condition	Eligibility criteria evidence required
Chronic hypoxemia	<ul style="list-style-type: none">• The PaO₂ is equal to or less than 55 mmHg in the absence of significant complicating factors or,• The PaO₂ is equal to or less than 60 mmHg when significant complicating factors such as chronic anaemia, pulmonary hypertension and/or polycythaemia exist
Terminal malignancy	<ul style="list-style-type: none">• Document primary or secondary lung cancer and hypoxemia with a life expectancy of less than six months
Nocturnal hypoxemia	<ul style="list-style-type: none">• Document saturations (SpO₂) of equal to or less than 90% for more than 5% of the night• Include where possible, secondary effects of chronic hypoxia such as daytime somnolence, polycythaemia or right heart failure
Life threatening asthma	<ul style="list-style-type: none">• Document repeated episodes of sudden life-threatening asthma despite compliance with appropriate therapy
Exertional hypoxemia	<ul style="list-style-type: none">• Document exercise induced oxygen desaturation on either a walk or step test to SaO₂ ≤ 90% on room air plus evidence of improvement in exercise performance on supplemental oxygen
Cardiac disorders	<ul style="list-style-type: none">• Oxygen may be approved without blood gases if the indication for use documented is primarily palliative such as for:<ul style="list-style-type: none">– Severe intractable angina on maximal drug therapy– Recurrent episodes of pulmonary oedema, severe pulmonary hypertension or severe cardiac failure
<p>If you have any questions regarding veteran or eligibility criteria please contact Air Liquide Healthcare on 1300 36 02 02</p>	

Home oximetry data collection service



What is this service suitable for

The home oximetry data collection service is designed to evaluate your patients' oxygen prescription. Using a lightweight wrist oximeter with extended memory the data collected includes heart rate and saturation (SPO₂). Data collected is in real time. Patients are instructed to complete a patient activity diary to log their symptoms, oxygen flow rates, movements and oxygen system used whilst oximetry data is collected for periods of up to 24 hours.

Data is then downloaded and sent to the prescriber along with the activity diary for review.

The data provided will help prescribers:

- Validate current oxygen prescriptions
- Determine optimal oxygen flow rates for home therapy equipment including portable oxygen concentrators
- Rule out sleep apnea
- Assess the need for oxygen therapy

A brief word about Portable Oxygen Concentrator (POC)safety

The oxygen output (FiO₂) delivered by portable oxygen concentrators varies between models and is also dependent on the patients' respiratory rate and flow setting. To ensure safety, oxygen saturations should be tested with the specific POC model and pulse setting intended to be used by the patient.

We will liaise with prescribers and DVA to ensure the veteran receives the appropriate POC model to meet therapy needs. Simply fax or email your request for a POC to Air Liquide Healthcare: alhdva.orders@airliquide.com

Accessing the service

Simply fax or email the veteran's details to Air Liquide Healthcare requesting a home oximetry data collection service and specify the following:

- The oxygen device you would like the veteran to use
- The oxygen flow rate or pulse dose setting the veteran should use
- Where applicable, details of changes to either the oxygen device or flow / pulse rate for exercise or night time collection



**Committed to veterans
every time, every where**

Veteran home oxygen services

Air Liquide Healthcare is dedicated to providing outstanding patient care to eligible Department of Veterans' Affairs (DVA) patients requiring home oxygen therapy and respiratory services.

Air Liquide Healthcare provides a wide range of oxygen therapy products including discreet portable oxygen therapy solutions that can enhance veterans' lifestyles and quality of life.

Hospital to home

We offer a hospital discharge service that provides oxygen for your patients making the transition to home.

We can deliver portable oxygen cylinders to the hospital for your patient's safe and timely discharge, and coordinate home oxygen therapy education with families and care givers prior to discharge.

Setting up therapy

Our home oxygen services are performed in the comfort of your patients home by our highly skilled and qualified technicians. We encourage friends and family members to be involved in your patients' therapy initiation and education about the safe and proper use of the equipment.

Our customer service teams are only a phone call away with 24-hour support.

Veteran support services

Air Liquide Healthcare supplies user guides for all equipment as well as a home oxygen therapy booklet that provides useful information to the most common patient questions.

In addition, your patients receive our dedicated oxygen therapy newsletter containing useful tips for managing oxygen therapy.

Home support and education



Our dedicated healthcare team is trained to ensure consistent services are provided throughout Australia.

This includes:

- Home setups by home healthcare professionals ensuring the safe use of oxygen and the importance of compliance to prescriptions
- As a member of Lung Foundation Australia, our goal is to improve the quality of our patients' lives. The booklet written by a panel of Australian experts entitled 'Getting Started on Home Oxygen' will be issued to veterans new to oxygen therapy.
- Assistance with travel arrangements both intra and interstate
- 24/7 support by Air Liquide Healthcare

Focus on home oxygen systems

At Air Liquide Healthcare our goal is to make your patients' medical oxygen therapy simple and comfortable whilst complying with applicable government legislation, guidelines and standards our specialised team of home healthcare technicians educate each patient, obtain informed written consent for the therapy and receive verbal acknowledgement that the patient understands the use of the equipment including but not limited to:

- Importance of compliance to prescription
- Home oxygen general safety precautions
- Use of non – smoking signs in homes and vehicles
- Operating instructions for prescribed equipment
- Safe use of cylinder handing, storage and transportation
- Portable oxygen cylinder duration guides
- Oxygen back up cylinder use and duration guides
- Use of oxygen accessories
- Preventative maintenance programs
- Equipment troubleshooting
- Activating the 24 / 7 support service



Innovative home oxygen systems

Safety is a very important aspect of patient care. Our services are Quality ISO 9001 certified with commendations. We consistently provide tested and robust medical oxygen systems to ensure our patients' safety while enhancing their lifestyle.

We provide:

- Reliable and cost effective stationary oxygen concentrators including system with high flow capability
- A selection of 'portable oxygen concentrators' to enhance mobility. We can assist with organising a home oximetry data collection service to make sure that the patients are compatible with specific oxygen systems
- The largest selection of portable oxygen concentrators and oxygen conserving devices including the lightweight 'b' size (160l) medical oxygen cylinder
- Back up cylinder oxygen in areas prone to blackouts/natural disasters and when oxygen prescriptions are for 16 hours/day or more
- A wide selection of medical oxygen mask, cannula, conserving devices and comfort products



Wide selection of respiratory home therapy appliances

At Air Liquide Healthcare has a large selection of respiratory equipment to assist veterans with all of their home respiratory needs. This includes a variety of products from the following main equipment groups:

- Aerosol compressors: including stationary and portable units
- Disposable and reusable medication nebulisers
- AEROBIKA™ and Flutter™ devices
- Stationary and Portable suction equipment and related accessories
- Peak Flow meters
- Spacing chambers
- Room Vaporisers



Home oxygen therapy products

Medical oxygen concentrators



Visionaire™ Airsep 5 litre oxygen concentrator

Stationary medical oxygen concentrators

Stationary 5 litre oxygen concentrators

Recommended for use when oxygen is required more than 4 hours per day at a flow rate of more than two litres per minute.







Stationary 0-8 litre high flow oxygen concentrators

recommended for use when oxygen is required more than 4 hours per day at a flow rate of more than 4 litres per minute. Units deliver up to 138 kPa(1.3 bar) and are designed for use with specialised oxygen accessories.

All of Air Liquide Healthcare oxygen concentrators feature built-in oxygen monitors which alarm in the event of low oxygen purity. Features include: large, easy to read flow gauges, power disconnect alarms, and easy to move casters.

Portable medical oxygen concentrators

The performance of portable oxygen concentrators varies across different models. Patients using portable oxygen concentrators should have their prescription validated to meet their medical oxygen needs.

Model	Type of POC	Availability	Modes of O ₂ Delivery ²	Flow Setting	Max. vol. O ₂ /min	Weight	POC run time (at setting of 2)	Level (dBA)	
Inogen® One G4		Portable	Rental Purchase	Pulse flow	Settings 1-3 pulse flow	576mL [^]	1.3 kg	2 hrs 40 mins (with single battery - 4 cell system) 5 hrs (with double battery - 8 cell system)	40*
Inogen® One G3		Portable	Rental Purchase	Pulse flow	Settings 1-5 pulse flow	1050mL [^]	2.2 kg	4 hrs 30mins (with supplied battery) Up to 8 hrs (with optional double battery)	42**
Inogen® One G5		Portable	Purchase	Pulse flow	Settings 1-6 Pulse flow	1260ml [^]	2.13 kg	Up to 5 hours (with single battery 8-cell) or up to 10.25 hours (with double battery)	38**
SimplyGo Mini		Portable	Rental Purchase	Pulse flow	Settings 1-5 pulse flow	1000mL [^]	2.3 kg	Up to 4.5 hrs (with supplied battery) Up to 9 hrs (with optional additional battery)	43*
SimplyGo		Transportable	Rental Purchase	Pulse flow Continuous flow	Settings 1-6 pulse flow Settings 0.5 - 2 lpm continuous flow	2000mL	4.5 kg	pulse flow: 3 hrs (with supplied battery) 6 hrs (with optional additional battery) continuous flow: 54 mins (with supplied battery) 1 hr 50 mins (with optional additional battery)	43* (pulsed)
Eclipse 5		Transportable	Rental Purchase	Pulse flow Continuous flow	Settings 1-9 pulse flow Settings 0.5 - 3 lpm continuous flow	3000mL	8.3 kg	pulse flow: 5 hrs (with supplied battery) 6 hrs 30 mins (with optional additional battery) continuous flow: 2 hrs (with supplied battery) 3 hrs 10 mins (with optional additional battery)	40* (pulsed) 48* (continuous)

Home oxygen therapy products

Medical oxygen cylinders

Portable oxygen cylinders

Air Liquide Healthcare has an extensive selection of cylinders available for rent.

Size provided is based on the veterans' preference and ability to carry the equipment or use a trolley.



Our exclusive 'B' size (160L) medical oxygen cylinder is very popular. When used with an oxygen conserving device (OCD), it will deliver up to 7 hours of oxygen at 2 litres per minute. The total weight of the 'B' Cylinder and OCD combined is only 2.2 kgs.

Emergency backup medical oxygen cylinders

Stationary cylinders

As a general rule PR^c size cylinders are provided in urban areas, whilst 'E' size cylinders are provided in regional areas.

Additional information

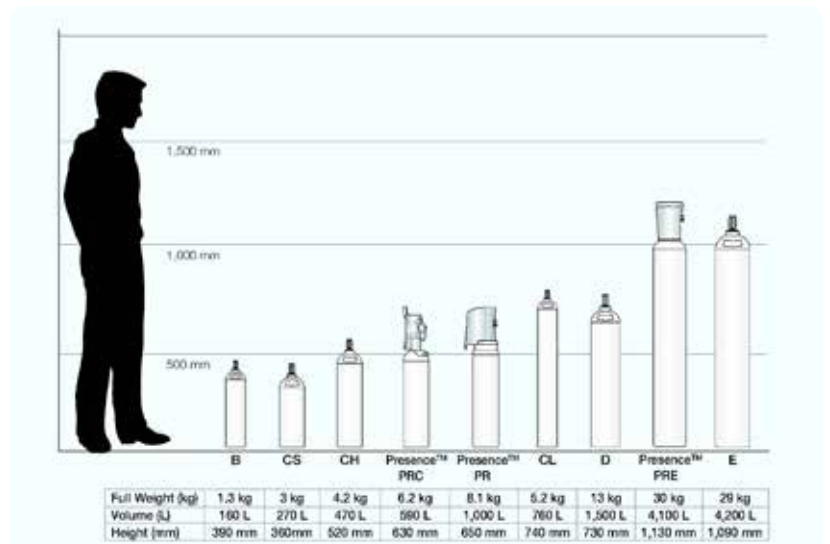
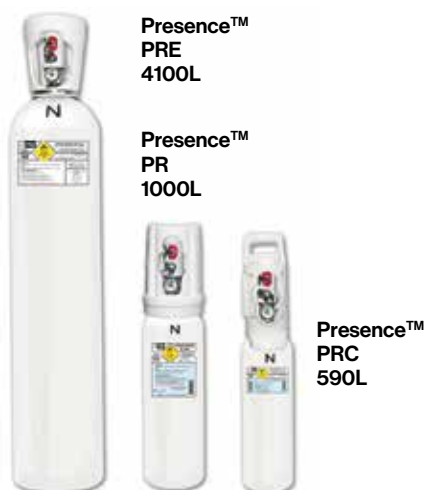
Backup cylinder are recommended when oxygen prescriptions exceed 16 hours of use per day or when veterans reside in geographical areas subject to electrical power disturbances or natural disasters.

Presence™ cylinder range

With the fully protected and integrated regulator and flow meter, Presence™ cylinders are ideal solutions for safer and easier use of medical oxygen.

Key features include:

- Ready-to-use medical oxygen cylinders with in-built regulator and flow meter
- Unique locking feature to prevent accidental valve opening and unintentional flow of oxygen



Home oxygen therapy products

Medical oxygen regulators and Oxygen Conserving Devices (OCDs)



Example of a Chad Evolution: OCD

Oxygen Conserving Devices

OCDs extend the use of portable oxygen cylinders. they offer increased mobility with improved comfort and increased efficiency.

The devices work on the concept that in normal breathing patterns, inhalation is for one third of the time, and exhalation about two thirds of the time. as a result, an oxygen conserving device extends the use of time of an oxygen system by an average of 3:1. the device senses the start of inhalation and instantly releases a short “pulse” dose at the very beginning of the breathing cycle. since all of the ‘pulsed’ oxygen finds its way deep into the lungs, less oxygen is required to accomplish the same effect than with traditional continuous flow oxygen systems.

*Example of cylinder duration using an OCD

Flow setting	Oxygen bottle sizes This is written on the product label of your oxygen bottle					
	'B' 160L	'CS' 270L	'CH' 470L	'CL' 760L	'D' 1500L	'E' 4200L
1	10.2	17.3	30.1	48.7	96.1	276.0
2	5.8	9.8	17.0	27.5	54.3	156.0
3	4.0	6.8	11.9	19.2	37.9	108.5
4	3.0	5.0	8.7	14.1	27.8	79.6
5	2.4	4.1	7.2	11.5	22.7	65.1
6	2.0	3.3	5.7	9.3	18.4	52.7

* cylinder duration is an estimate only based on 20 breaths per minute

Medical oxygen regulators

Regulators are pressure-regulating devices that attach to medical oxygen cylinders. Prescribed flow rates are set with an adjustable flow meter. Regulators deliver a continuous flow of medical oxygen.



Example of a SMT regulator

*Example of cylinder duration using a continuous flow regulator

Flow setting	'B' 160L	'CS' 270L	'CH' 470L	Presence PRC TAKE O2 590L	'CL' 760L	Presence TAKEO2 1000L	'D' 1500L	'E' 4200L	Presence PRE TAKEO2 4100L
1	2.6	4.5	7.8	9	12.6	16	25	70	68
1.5	1.7	3	5.2	6	8.4	11	16.7	46.7	45
2	1.3	2.2	3.9	5	6.3	8	12.5	35	34
3	0.9	1.5	2.6	3.3	4.2	5	8.3	23.3	22
4	0.6	1.1	2	2.5	3.1	4.3	6.2	17.5	17
5	0.5	0.9	1.5	2	2.5	3.2	5	14	13.5
6	0.4	0.7	1.3	1.6	2.1	2.8	4.1	11.6	11.4
9	-	-	-	1	1.4	2	2.8	7.8	7.6
12	-	-	-	0.8	1	1.4	2	5.8	5.7

* Cylinder duration is an estimate only

Medical oxygen accessories

We carry a wide variety of medical oxygen cannula and tubing. For products not listed please contact your local Air Liquide Healthcare office.

Nasal cannula



Nasal cannula are clear, latex free oxygen delivery devices used for oxygen flow rates under 6 LPM. Flow rates above 4 LPM are not well tolerated. Cannula come in a variety of sizes. The prongs can be curved or straight pending on manufacturer and model.

Simple oxygen masks



Simple oxygen masks are clear, latex free oxygen delivery devices used for oxygen flow rates over 5 LPM. Simple oxygen masks come in a variety of sizes and can fit under the mouth or chin pending on manufacturer and model.

Bi-Flow masks



Suitable for oxygen flow rate of up to 3 LPM. The cup is an excellent alternative to nasal cannula for those patients with irritated nasal passages. The soft pliable cup sits over the nose encircling it in a pool of oxygen from which the patient breathes. Bi-flow nasal masks may be used with a humidifier.

Oxymisers



Suitable for oxygen flow rate of up to 5 to 12 LPM. The oxymiser is a conserving device. The oxygen is stored in the 20 ml reservoir, then inhaled. Oxymisers require as much as 75% less oxygen flow rate to deliver the same fractional inspired concentration and therefore must be ordered by the prescribing physician to ensure that oxygen delivery is precise. Oxymisers cannot be used with a humidifier. Flow rate sample comparison:

Oxymiser	Traditional cannula	Oxymiser	Traditional cannula
2.0 LPM	4.0 LPM	4.0 LPM	6.5 LPM
3.0 LPM	5.5 LPM	6.0 LPM	8.5 LPM

Extension tubing



A maximum of 50 feet (15 metres) of extension tubing can be added to a nasal cannula or mask without affecting the flow of oxygen from a stationary concentrator.

Humidifiers



Ideal for use with all stationary oxygen concentrators and cylinders. It features a 41 kPa safety pop-off audible alarm. This 350cc bubble humidifier is easy to attach and resists cross threading and breakage.

Connectors



Features leak-free coupling and silky smooth 360 rotation. Used to connect oxygen tubing and/or oxygen cannula to extension tubing.

Comfort products



We also provide a selection of products to improve the comfort of your patients' oxygen therapy, such as:

- Comfort Ears™, EZ Wraps™: to reduce skin irritation and chafing.
- NozOil™: clinically proven to be beneficial for nasal relief from dry and crusting nasal passages and safe to use with medical oxygen therapy.



Water traps



When a humidifier is used, condensation may accumulate inside the tubing. The use of a water trap can help resolve this problem.

Fire Safe Valves™



Firesafe™ valves can be connected to your oxygen accessories to provide an extra line of defence. Valves limit the impact of an oxygen fire by automatically arresting the oxygen flow in the event of a fire.

For more product information and product manuals visit our website at <https://www.airliquidehealthcare.com.au/department-veteran-affairs>

Respiratory home therapy appliances

Aerosol compressors

Air Liquide Healthcare carries a wide variety of support products. The products listed below are the most commonly used. Please contact your local office if other products are required.

Nebulisers and accessories

Best Neb™ - Stationary Aerosol Compressor

- Compact, sturdy, reliable piston pump
- Includes all adult and child medication accessories
- 5 year warranty



VentalAir Max Nebuliser

- Compact, sturdy, reliable piston pump
- Includes all adult and child medication accessories
- 5 year warranty



Nebuliser Medication Kits

- Kits can be used with most nebuliser pumps
- Kits are available with a mask and/or mouthpiece
- Selection of disposable or reusable medication kits



Accessories

Air Liquide Healthcare is pleased to offer a wide variety of COPD and Asthma Support Products including the respected Allersearch line. For products not listed below please contact your local state office.

Nonin Onyx Vantage Oximeter™

Accurate – Scientifically proven performance in the widest range of patient populations and settings.

Durable – Protects against dropping and water spills; allows for thousands of uses in the most demanding environments and tough enough to withstand 50 drops minimum.

Efficient – Up to 6000 spot checks or 36 hours continual operation on two AAA batteries.



Room Vaporiser

- Auto shut off when water level is low.
- No replaceable parts
- 5 year warranty



“Breath-Alert™” Peak Flow Meters

Recommended for:

- Adults and children of all ages
- People with severe airway limitations
- People with daily or weekly asthma symptoms
- Recording the effect on your lungs when your doctor changes your medication



Space Chamber™ Aerosol Spacer

Recommended for:

- For children and adults of all ages in the management of asthma
- Space Chamber Aerosol Spacer facilitate easier and more effective use of a Metered Dose Inhaler (MDI or “puffer”)
- Autoclavable



Oscillating positive expiratory pressure devices

AEROBIKA™

The AEROBIKA™ Oscillating Positive Expiratory Pressure (OPEP) Therapy System works with the lungs to help loosen and remove mucus.

Recommended for people with:

- COPD
- Bronchiectasis
- Chronic Cough
- Cystic Fibrosis
- Breathlessness
- Recurring lung infections



The AEROBIKA™ features the only OPEP device that can be used simultaneously with the AEROECLIPSE™ Breath Actuated Nebuliser, resulting in reduced treatment times.

The AEROBIKA™ is non positional.

Clinicians can select pressures from a range of 10 - 30 cm H₂O.

AEROECLIPSE™

The AeroEclipse™ BAN nebulizer is the world's only breath-actuated small volume nebulizer. Aerosolised medication is only produced when you inhale through the device. This means between breaths or during breaks in treatment, prescribed medication is contained in the cup until you are ready to inhale it.

The AeroEclipse™ BAN has a unique patient friendly green feedback button which moves down on inhalation.



The AEROECLIPSE™ BAN can be used simultaneously with the AEROBIKA™. Reducing therapy time may improve treatment Compliance.

Suction equipment

Aspira Go Pro™ Compressors

The Aspira Go Suction compressors are portable suction options. The portable units operate from mains power or a lithium battery, making them ideal for those who require assistance outside of the home and in an emergency.

The portable compressors are equipped with a vacuum regulation knob and a vacuum gauge.

The collection jar has a protection device preventing entrance of liquid in the suction pump through a float shut-off located in the collection jar lid.



Suction Pro™ Compressors

Suction Pro™ compressors are equipped with a vacuum regulation knob and a vacuum gauge. The collection jar has a protection device preventing entrance of liquid in the suction pump through a float shut-off located in the collection jar lid.



Suction Pro™ is available in both a stationary and portable model.

Air Liquide Healthcare does not rent nor provide cleaning services for the collection jars.

Suction accessories

Suction Catheters

Suction catheters feature transparent medical grade plastic with smooth grooved suction tip and regulator control vents on handle.

Catheters are available in a wide variety of sizes.



Yankuer Suction

This catheter combines a sterile, single use tip with sturdy shatter resistant construction to enable retraction use. Large lumen resists clogging and the transparency allows clear visualisation of liquids.



For more product information and product manuals visit our website at <https://www.airliquidehealthcare.com.au/department-veteran-affairs>



Our mission is to protect lives through innovative healthcare products, services and support

Air Liquide Healthcare is the Australian subsidiary of Air Liquide, a global leader in home healthcare services and medical gases. For the last 25 years our large national network has been serving patients with oxygen, respiratory and sleep apnea products and services across the country.

Air Liquide Healthcare globally


36 countries


+1.2 million
patients


+7,500
hospitals


+12,000
employees

For all Home Oxygen Therapy and respiratory equipment referrals

Call **1300 36 02 02**

Fax: 1800 254 329

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 **Air Liquide**
HEALTHCARE