

A GUIDE TO PORTABLE OXYGEN CONCENTRATORS





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Our Products & Services

Portable and Static Oxygen Concentrators



The Oxygen Store stock a wide range of Pulse Dose and Constant Flow Portable Oxygen Concentrators (POC's) from manufacturers such as AirSep, SeQual, Devilbiss, GCE, Phillips, Invacare, Nidek, Luxfer and Inogen.

Portable Oxygen Concentrators Rental Hire



The Oxygen Store specialise in hiring Oxygen Concentrators and have an extensive range of portable, battery, DC and mains operated concentrators available to hire to suit your needs. Our fully trained Staff are here to assist you.

Spares, Accessories and Replacement Parts



We also stock a wide variety of Portable Oxygen concentrator spares, accessories and replacement parts from all major suppliers.

Portable Oxygen Concentrator Q&A

What is a (POC) portable oxygen concentrator?

A Portable oxygen concentrator (POC) is a portable device used to provide oxygen to people requiring greater oxygen concentrations than the levels in ambient air.

How does a portable oxygen concentrator make oxygen?

Air consists of 78.09% nitrogen, 20.95% oxygen, 0.93% argon, 0.04% carbon dioxide. A portable oxygen concentrator filters out the nitrogen and other gases and produces 90 to 95 percent pure oxygen.

What's the difference between pulse dose and constant flow?

On Pulse Dose Flow, the oxygen will be released when the machine detects your breath rather than Continuous Flow where the machine would constantly produce oxygen whether someone is breathing in or not. Having the machine on Pulse Dose Flow saves battery life but unfortunately not everyone has a strong enough breath to use it.





Are pulse dose and constant flow POCs similar in size?

Constant flow machines are normally heavier and are usually on a trolley, whereas pulse dose machines are lighter and can be shoulder held.

How much does a POC weigh?

The weight of a POC can depend on the model of the concentrator and whether it is a pulse dose or constant flow machine. The weight of a pulse dose machine starts at 2.8 pounds (1.27 kg) and constant flow machines start at 10 pounds (4.53 kg).

How is the oxygen concentrator delivered?

We deliver 2-3 days before you are due to travel, the concentrator will then arrive in a protected transport case. At the end of your rental period, our courier will collect the concentrator and equipment from you.

Do I have to pay VAT?

Some customers may be eligible for VAT exemption, this accounts for purchases of medical oxygen concentrators and oxygen related medical supplies and equipment. To be able to buy goods and services, excluding VAT, you must be chronically sick or disabled and you must be buying them for your own personal or domestic use.



Oxygen Concentrator Rental Information

The Oxygen Store specialise in hiring oxygen concentrators and have an extensive range of portable, battery, DC and mains operated concentrators to hire, to suit your requirements.

Can I hire a POC for a holiday?

To hire an oxygen concentrator from The Oxygen Store, the user must be under medical supervision and have approval from their Doctor or GP to travel

We will need to know what flow (LPM) has been prescribed by your doctor or GP, we will need to be certain you require a constant flow of oxygen, or whether you are suitable for a Pulse Dose Oxygen Concentrator (Portable).

If you intend to use the Oxygen Concentrator for a flight, we will ask how long the flight is, allowing for delays or hold ups calculate the battery life, and possible additional batteries you will require. All airlines require that you have battery life for a minimum of 150% of your actual flight time. All our POC's are FAA approved.

Can I take liquid oxygen or an oxygen cylinder on board an aeroplane?

You should check with the airline, as in most instances you cannot take liquid oxygen onboard an aeroplane. Some airlines will allow you to take your own oxygen cylinder onboard, occasionally the airline is able to supply oxygen to you onboard the plane.

Travelling with a POC

Can I take any portable oxygen concentrator on a plane?

You can only take a FFA approved POC on an airplane. You can find the list of all approved Portable Oxygen Concentrators on the FAA website. All the machines we supply are FAA approved.

I am taking my POC onboard an airplane, should I advise the airline in advance?

It's advisable to obtain prior approval and a Medical Equipment Approval & Baggage Waiver, you may also need a "Fit to Fly" form, its best to contact the airline well in advance of travel to ensure there are no issues when you travel.

I have a POC supplied by the NHS can I take this abroad?

A prescribed POC from the NHS shouldn't be used outside of the UK.

What is a fit to fly assessment?

You may be asked for proof of your "fitness to fly" when travelling. You could be asked to provide information about your situation or condition. If the airline has concern about how flying might impact your condition, it will ask you to complete a further form.



How many litres per minute (LPM) will a POC produce?

POC's start at 0.5 LPM on constant flow and produce up to up to 6 LPM on pulse dose.

I only need a very low flow, is this possible?

The lowest flow a POC will produce is 0.5 LPM, but we can offer a special flow meter that can supply lower flows where needed.

I am prescribed 8 litres per minute (LPM), can I get this with a POC?

No, POC's will only supply up to the equivalent 6.0 LPM on pulse dose or 3 LPM on Constant Flow.



Cruising with oxygen

All of our portable oxygen concentrators can be used at any voltage between 110 and 240 volts, for worldwide travel and can be used onboard any cruise liner.

As most cruise ships originate from the USA, we also supply 110-volt mains static machines, for use onboard of your cruise ship.



We can also deliver to and collect from your home address in the UK. The concentrator will then arrive to you in a protected transport case, within this case, you will also find instructions on how to use and set up your



machine, whilst onboard and in your cabin. As well as this, we ensure that your portable oxygen concentrator is with you several days in advance before you board your cruise, this is to help give your peace

of mind, whilst also guaranteeing that you are comfortable with your oxygen concentrator.

Battery information

Are the batteries rechargeable?

All of the batteries are rechargeable, although, the charge time of the battery and its duration will vary by machine.

How many batteries would I need for a flight?

It would depend on the model of concentrator, the setting the concentrator is on and the duration of the flight. You will need adequate batteries to supply 150% of your flight duration.

Does a POC only operate from batteries?

A POC can operate from batteries, a main power supply, and through a DC car charger.

Can I charge my POC from a car whilst also using it at the same time?

The POC can be used through the car DC socket although it may not charge the machine whilst being used.

How long does a POC battery last?

Battery duration varies, depending on the flow of the machine and whether the POC is a pulse dose or a constant flow machine. On a setting of 1, a single pulse dose machine battery can last up to 10 hours, however on a constant flow machine, a single battery can only last 1 ½ hours



Battery Durations

POC's	FLOW RATES (Hours:Minutes)						FLOW RATES (Hours:Minutes)			
	PULSE DOSE FLOW						CONSTANT FLOW			
	Setting 1	Setting 2	Setting 3	Setting 4	Setting 5	Setting 6	0.5 (Constant)	1 (Constant)	2 (Constant)	3 (Constant)
Airsep Focus		1:30 per Battery								
Airsep Freestyle 3	6:30	3:30	3:00							
Airsep Freestyle Comfort 8 Cell	8:00	4:15	3:00	2:15	2:00					
Airsep Freestyle Comfort 16 Cell	16:00	8:30	6:00	4:30	4:00					
Airsep Freestyle 5	4:15	2:30	2:00	1:45	1:15					
Inogen One G2 12 Cell	4:00	3:30	2:45	2:12	2:00	1:50				
Inogen One G2 24 Cell	8:00	7:00	5:25	4:25	4:00	3:00				
Inogen One G3 8 Cell	4:30	4:00	3:00	2:00	1:45					
Inogen One G3 16 Cell	9:00	8:30	6:00	4:00	3:25					
Inogen One G4 4 Cell	2:25	2:15	1:20							
Inogen One G4 8 Cell	5:00	4:30	2:30							
Inogen One G5 8 Cell	6:30	5:00	3:30	2:30	1:40	1:20				
Inogen One G5 16 Cell	13:30	10:00	7:00	5:00	3:20	2:40				
GCE Zen-O1 x 12 Cell	4:00	4:00	3:00	2:15	2:00	1:45		1:45	0:45	
GCE Zen-O2 x 12 Cell	8:00	8:00	6:00	4:30	4:00	3:30		3:30	1:30	
SeQual Eclipse 5	5:25	5:05	4:55	4:00	3:40	3:30	4:25	3:35	1:30	1:15
SeQual eQuinox 12 Cell	2:30	2:30	2:15	2:15	1:30	1:30	2:48	2:15	1:15	0:45
SeQual eQuinox 24 Cell	5:45	5:45	5:15	5:15	3:45	3:45	5:28	4:45	2:45	1:45
LifeChoice Activox 4L	10:15	8:15	5:00	4:00						
Philips Respironics Simply Go Mini	4:30	4:30	2:30	2:00	1:30					
Philips Respironics SimplyGo Extended Battery	9:00	9:00	5:00	4:00	3:00					
Philips Respironics SimplyGo	3:45	3:30	3:05	2:45	2:20	2:00		2:20	0:45	
Invacare Solo2	4:30	3:30	3:00	2:30	2:15			3:50	2:50	1:50
Invacare Platinum Mobile	5:05	3:30	2:20	1:45						
Invacare Platinum Mobile Double Battery	10:10	7:00	4:40	3:30						
DevilBss iGo	5:25	4:20	4:00	3:30	3:05	3:00		4:00	2:10	1:35
Luxfer EasyPulse 3	4:40	3:20	2:40	2:00	1:35					
Luxfer EasyPulse 5	5:30	4:00	3:00							

Battery durations are for information only and will vary due to age, temperature and environmental conditions.

- Manufacturer Discontinued Machines

Service and Repairs

The Oxygen Store are authorised service and repair agents for most portable oxygen concentrator manufacturers, including Inogen, AirSep, SeQual and many more.

At the oxygen store, we offer a full oxygen concentrator servicing and repair package, this includes a purity check, a pressure check and a replacement of all filters, to help keep your machine up and running.



In addition to our service and repairs of portable oxygen concentrators and static machines, we are also able to repair damaged concentrators, as well as concentrators that appear to be showing an error warning.

For more information and a full list of the service and repairs that we offer, go to:

<https://www.theoxygenstore.com/oxygen-concentrators/oxygen-concentrator-servicing-repairs.html>

Warranty

The Oxygen Store want to make sure that you are entirely happy with you purchase from us, occasionally you may need to return your purchase for a repair under warranty.

If you think there is a fault on any equipment you have purchased from The Oxygen Store, in the first instance please give us a call, we will talk you through the fault.

If you purchase a new oxygen concentrator from us, some manufacturers will allow you to extent the warranty for a further 2 years at an additional cost. This must be done within 90 days of purchasing the machine.

Most manufacturers place a different warranty period on different components, e.g. parts and accessories may only be covered for 12 months, whilst the main item may be covered for 36 months.

You can check the specific manufacturer's warranty cover on:

<https://www.theoxygenstore.com/warranty.html>.





About us

History

We were founded in 2001 and are a privately-owned Family business. Our Head office is located in Stoke on Trent, our Warehouse, Manufacturing Facility and Distribution Hub are based in Stone, Staffordshire.

What we do

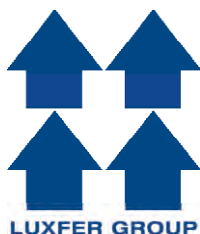
The Oxygen Store provide complete systems for the supply of oxygen to Home Care Providers, Dentists, GP's, Hospitals, and the Emergency Services, we also specialise in Patient Care Products.

We carry a complete range of oxygen related health products, Static Medical and Portable Oxygen Concentrators, Oxygen Cylinders, Oxygen Tubing.

The Oxygen Store service and repair all Major Manufacturers Oxygen Concentrators and supply new, used and refurbished O2 Concentrators.

The Oxygen Store provide both products and services to a long list of Blue Chip clients including the NHS and the MOD.

POC Brands we supply



Contact Us

Correspondence and Deliveries

The Oxygen Store, Bar O2 Limited
Unit 5A, Mount Industrial Estate
Mount Road
Stone
England
ST15 8LL

Registered Office:

The Oxygen Store, Bar O2 Limited
Old Bank Chambers
4 Glebe Street
Stoke on Trent
England
ST4 1HG

Phone (UK):

Tel: 0345 100 0084

Fax: 0345 100 0085

Phone (International)

Tel: +44 1785 814000

Email:

Sales: admin@theoxygenstore.com

Accounts: accounts@theoxygenstore.com

Director: md@theoxygenstore.com



Certificate No 14122515



Company No 4192727 VAT No 770471724 D-U-N-S No 232439047

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