



Gas Control Equipment



PORTABLE OXYGEN CONCENTRATOR

Zen-O™

Simple. Portable. Dependable.

Long term oxygen therapy (LTOT) is an established method of care for many patients with chronic stable hypoxemia often caused by respiratory disorders⁽¹⁾. The length and quality of life of patients are improved in proportion to the duration of oxygen therapy⁽²⁾.

Zen-O™ is a best in class Portable Oxygen Concentrator that provides oxygen to patients at home or when on the go.

Zen-O™ is approved for use on commercial aircraft.

FEATURES AND BENEFITS

DUAL MODE

Zen-O™ offers patients the best of both worlds. Patients can alternate between continuous flow and pulse mode oxygen therapy.

SIMPLE AND EASY TO USE

Zen-O™ is designed with patients in mind, it is simple to use with intuitive button operation and LCD display.

RESPONSIVE TO PATIENT NEEDS

Using advanced patented technology, Zen-O™ can deliver up to 2 Liters per minute of oxygen in response to the patient's need. Unlike other devices that deliver a fixed amount of oxygen, Zen-O™ automatically increases the amount of oxygen delivered if a patient's breath rate rises.

DURABLE AND RELIABLE

Zen-O™ is rugged and is supplied with a 3 year warranty or 15,000 hours of total use, giving you the assurance of quality and reliability.

EASILY REPLACEABLE SIEVE BEDS

Zen-O™ has been designed with sieve beds that can be replaced easily by most homecare providers without the need to return the device to the manufacturer.

ALARM

The device is designed with various audible and visual alarm prompts such as low battery, no breath detected, service required and low oxygen purity.



ZEN-O™



Zen-O™ can hold up to two 12 cell batteries



Zen-O™ with bag and pull cart



Power cords, AC and DC power supply

Item No.	Description
RS-00502-X-S	Zen-O™ concentrator 12 cell
RS-00502-X-D	Zen-O™ concentrator 2 battery package
RS-00501	Zen-O™ battery 12 cell
RS-00509	Zen-O™ carry bag
RS-00507	Zen-O™ cart
RS-00508	Zen-O™ DC adapter
RS-00511	POC filter wrench
RS-00512	POC cannula filter pk of 10
RS-00520	Zen-O™ AC power supply w/EU cord
RS-00521	Zen-O™ AC power supply w/UK cord
RS-00522	Zen-O™ AC power supply w/US cord
RS-00523	Accessories bag
RS-00503	North America cord - excludes power supply
RS-00504	Europe cord - excludes power supply
RS-00506	UK cord - excludes power supply

Each Zen-O™ device is supplied with a carry bag, battery, AC/DC power cables and a pull cart

TECHNICAL DATA

Size (WxDxH):	8.3" × 6.6" × 12.3" (212 mm × 168 mm × 313 mm)
Weight:	10 pounds (4.66 kg) with one 12 cell battery
Power requirements:	AC adaptor: 100-240V AC(+/- 10%) 50-60 Hz in, 24V DC, 6.25A out DC adaptor: 11.5 - 16V DC in, 19V, 7.9A out
Purity:	87% - 96% at all settings
Maximum oxygen discharge pressure:	20.5 psi
Inspiratory trigger sensitivity:	-0.12cm/H ₂ O
Humidity range:	5% to 93% ± 2% non-condensing
Operating altitude:	0' to 13,000' (0m to 4,000m)
Temperature:	
Operation:	41°F (5°C) and 104°F (40°C)
Storage:	-4°F (-20°C) and 140°F (60°C)
Setting:	Adjustable in 0.5 increments from 1.0 to 6.0 in pulse mode and from 0.5 to 2.0 LPM in continuous mode
Noise level:	38 dB(A) tested to Prüfmethode 14-1 03/2007 MDS-Hi* 42 dB(A) tested to ISO 3744*
Alarm types	Low oxygen purity No breath detected Low battery Service required
Battery duration:	Approx. 4 hours with a single battery or 8 hours with 2 batteries at 18 BPM

*At pulse setting 2.

BATTERY DISCHARGE INTERVALS

Setting	Approx. Battery Life 1 Battery Installed (Hours:Minutes)	Approx. Battery Life 2 Batteries (Hours:Minutes)
Pulse 1.0*	4:00	8:00
Pulse 2.0*	4:00	8:00
Pulse 3.0*	3:00	6:00
Pulse 4.0*	2:15	4:30
Pulse 5.0*	2:00	4:00
Pulse 6.0*	1:45	3:30
Cont. 0.5	3:00	6:00
Cont. 1.0	1:45	3:30
Cont. 1.5	1:15	2:30
Cont. 2.0	0:45	1:30

*For Pulse mode, the device was set to test mode with a breath rate of 18 breaths / minute.

References:

1. Petty T.L., McCoy R.W. and Doherty D.E (2012). Long Term Oxygen Therapy (LTOT) – History, Scientific Foundations and emerging technologies, National Lung Health Education Program.
2. Vergeret J., Brambilla C. and Mounier L. (1989). Portable Oxygen therapy: use and benefit in hypoxaemic COPD patients on long-term oxygen therapy.



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