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Eclipse[™] with autoSAT[™]

Personal Ambulatory Oxygen System (PAOS)[™]



Differentiate.

Heighten Awareness. Improve Outcomes.

Precision Dosing. Clinically Relevant.

Oxygen Prescribed. Oxygen Delivered.

THE ART OF
OXYGEN

The Next Generation: Eclipse 5™ with autoSAT™

The Most Robust and Reliable POC on the Market.



The new generation of SeQual Eclipse raises the bar for POC performance. The Eclipse 5 features the same benefits that you love about the Eclipse 3, but with next generation internal components that enhance the reliability of the POC. The Eclipse 5 goes where you go, with improved DC power operation that allows for full functionality of the Eclipse 5 when running from DC outlets. All continuous flow settings, up to 3 LPM, as well as all pulse flow settings from 1 to 9, are now available while operating on both AC and DC power. The Eclipse 5 battery will also charge when the unit is connected to DC power while operating at all flow settings up to 2.0 LPM. The SeQual Eclipse delivers the highest pulse dose oxygen output of any portable oxygen concentrator on the market. No other POC can match the extreme pulse dose oxygen output of the Eclipse 5.

FEATURES

- NEW: All continuous flow and pulse flow settings available while operating on DC power
- NEW: Battery cartridge will re-charge when unit is connected to DC power for all continuous flow settings up to 2.0 LPM and all pulse flow settings from 1 to 9
- NEW: Next generation internal components enhance unit reliability
- Pulse dose settings 1 to 9 deliver a bolus from 16 mL to 192 mL



autoSAT™

Bolus size and the correlating pulse setting varies dramatically from one brand of machine to another. Accurate dosing is critical in ensuring the target FiO_2 is achieved.

The AARC suggests “titrate to saturate” and the Eclipse was developed with that theory in mind. With a comprehensive dosing selection, a broader patient population can be treated at rest, during sleep, at exercise and at altitude. It’s superior oxygen delivery.

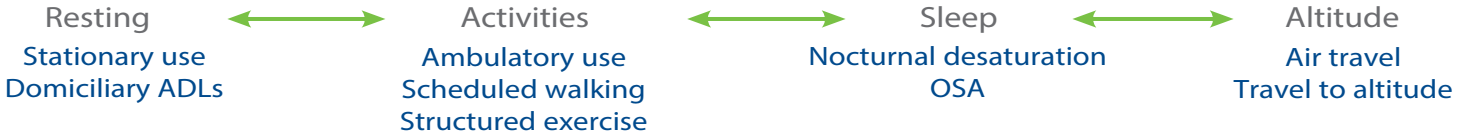
- autoSAT Technology, a pulse delivery system, maintains a consistent pulse dose volume for every breath as your patient’s respiratory rate changes
- Pulse dose settings 1 to 9 deliver a consistent bolus from 16 mL to 192 mL
- New control panel displays in either LPM or mL for a more accurate prescription verification
- Can be used with CPAP and bi-level devices in Continuous Flow

For those who prescribe the Eclipse, this translates to confidence in patient care, to simplifying the continuum of care, and to increasing patient satisfaction.



To better assist in titration knowledge, CAIRE has developed eTASK, an interactive, software tool. By targeting consistent FiO_2 levels, CAIRE’s eTASK quickly illustrates the conversion between continuous flow and pulse dose therapy with autoSAT. Targeting FiO_2 s is critical to effective oxygenation, a challenge for ambulating patients due to their changing respiratory rates.

The LTOT Continuum



The clinical objective of Long Term Oxygen Therapy (LTOT) is to prevent oxygen desaturation regardless of individual patient need and/or activity level. The LTOT Continuum identifies the wide variety of activities in which patients typically engage. The most appropriate LTOT delivery system will be one with the performance capabilities to protect patients from desaturation as they navigate the entire LTOT continuum everyday.

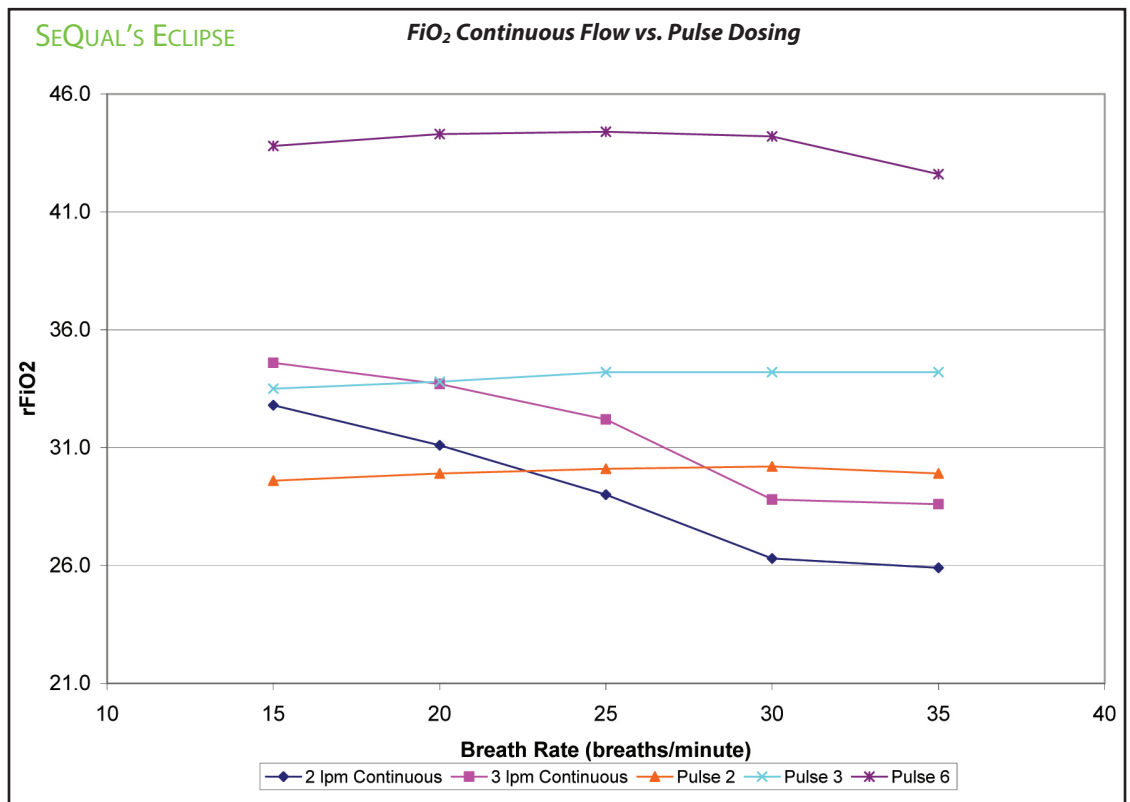
The Eclipse 5 was designed to make it easy and convenient for patients to pursue daily activities. It provides enough power to allow patients to ambulate around the home, the town, and the world. Being active has shown an improvement in the quality of life, providing a positive impact on healthcare outcomes and a reduction in overall healthcare costs. The Eclipse 5 provides the LTOT user with a single solution, stationary and ambulatory, that can be used 24 hours/7 days a week.

Medical supplemental oxygen is classified as a drug by the FDA. An effective LTOT delivery system must facilitate accurate dosing for the prescribing physician. Consistent FiO_2 and SpO_2 are critical in preventing desaturation.

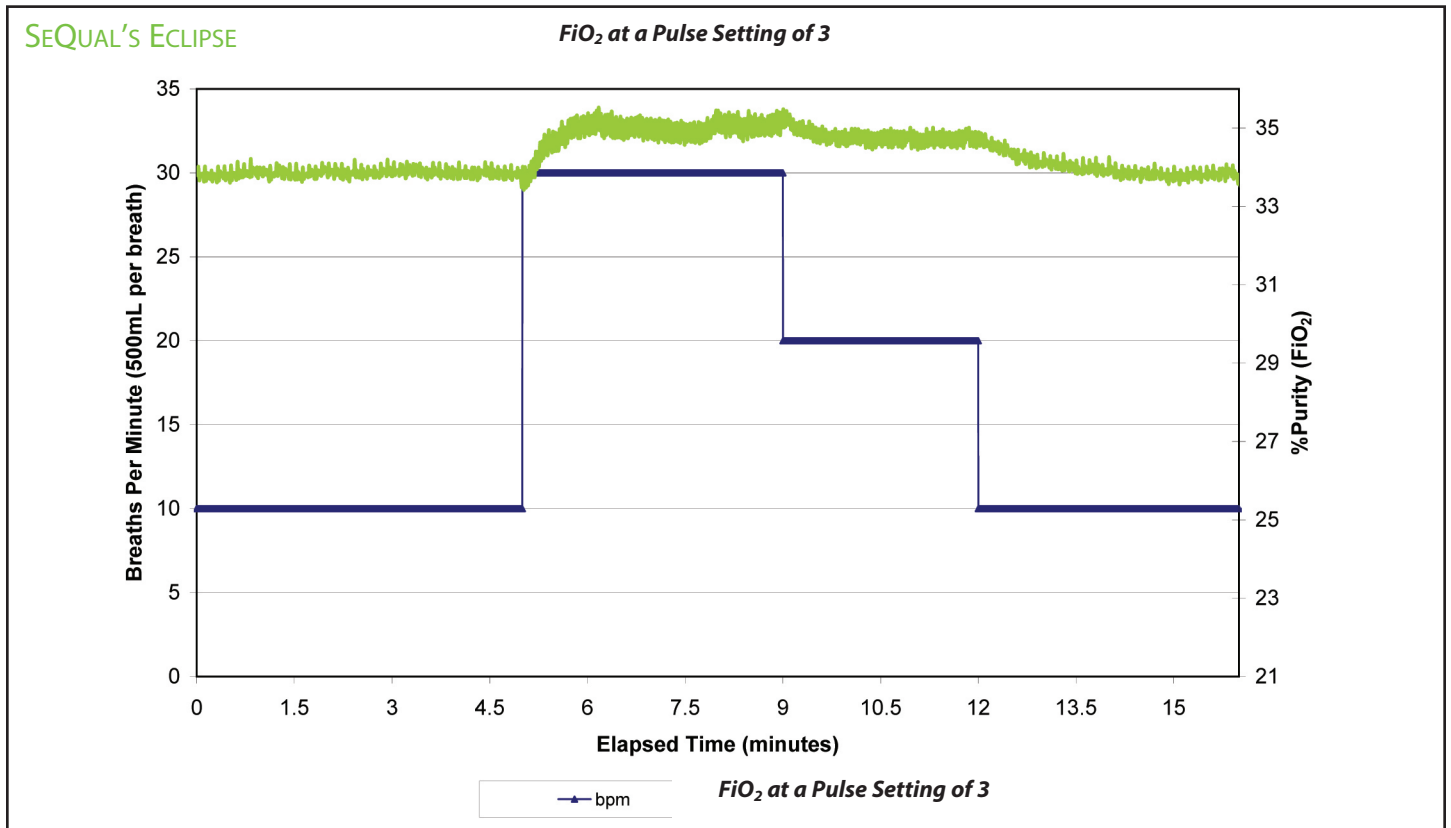
SeQual's data demonstrates that as a patient's respiratory rate increases, even continuous flow settings have limitations in delivering a consistent FiO_2 .

Pulse dosing with autoSAT is more effective at maintaining a stable FiO_2 for ambulating patients.

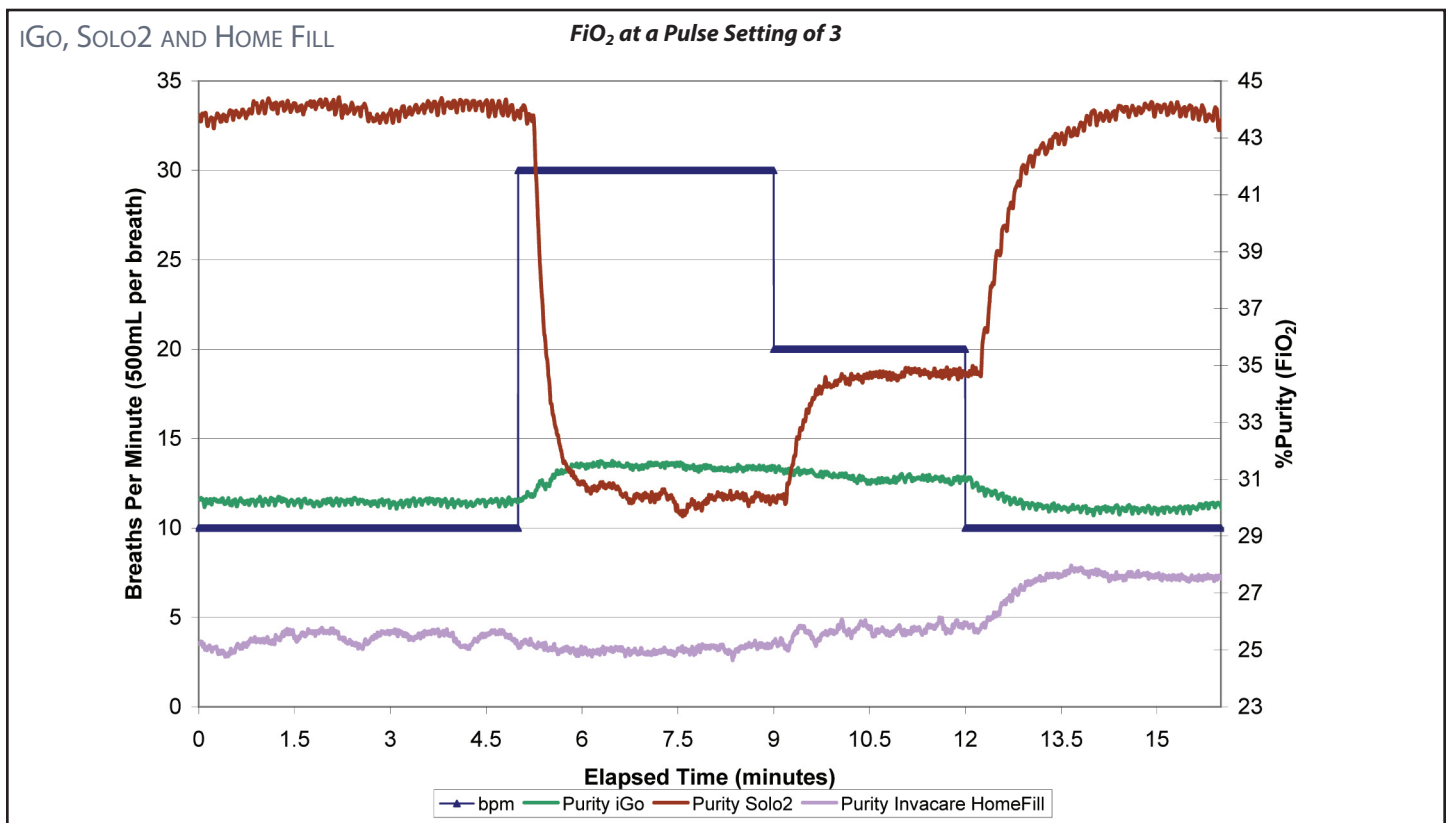
Original study:
Performance Comparison of 4 Portable Oxygen Concentrators by Robert L. Chatburn, RRT-NPS, FAARC and Thomas J. Williams, MBA, RRT, published in Respiratory Care, April 2010, vol 55. No.4.

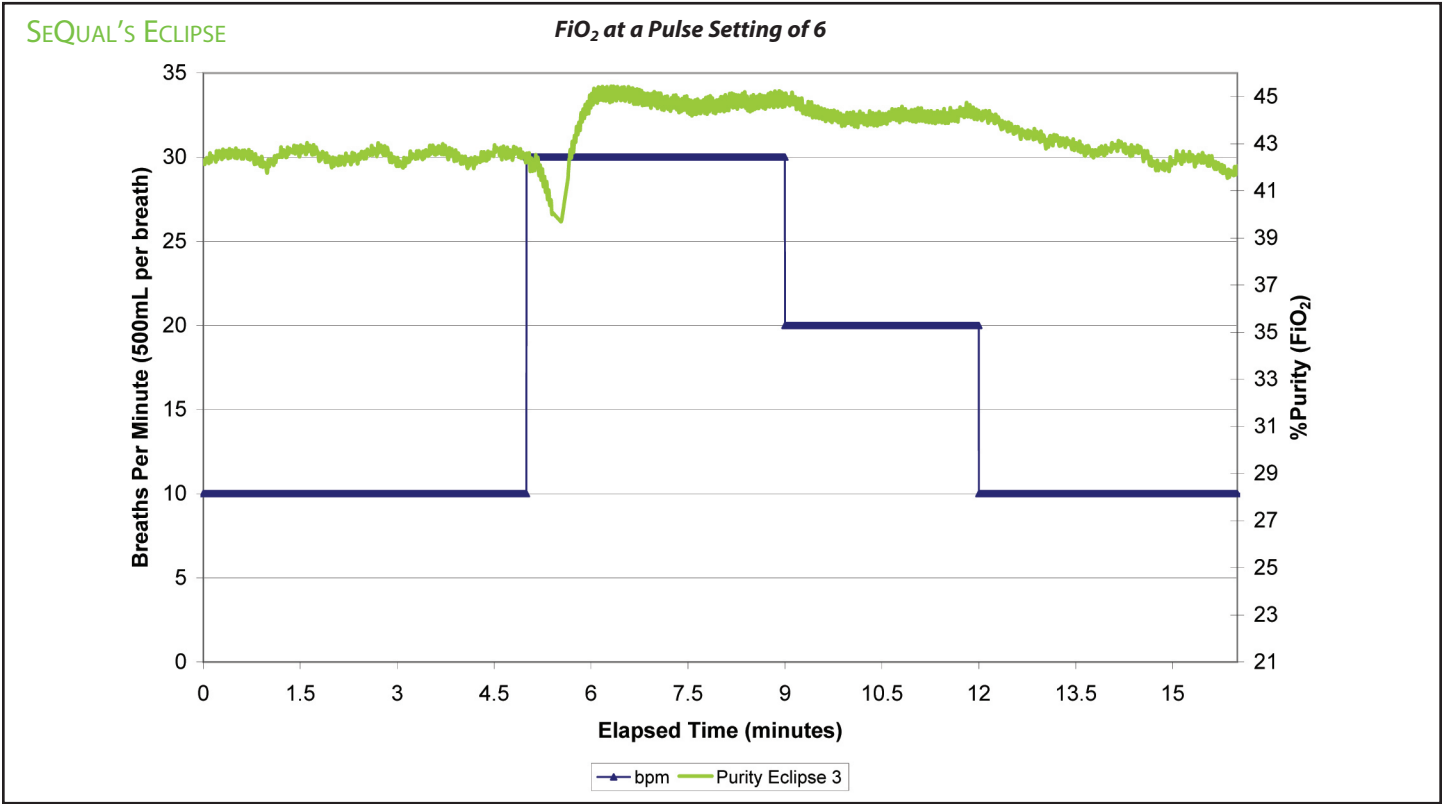


Educate. Regulate. Saturate.

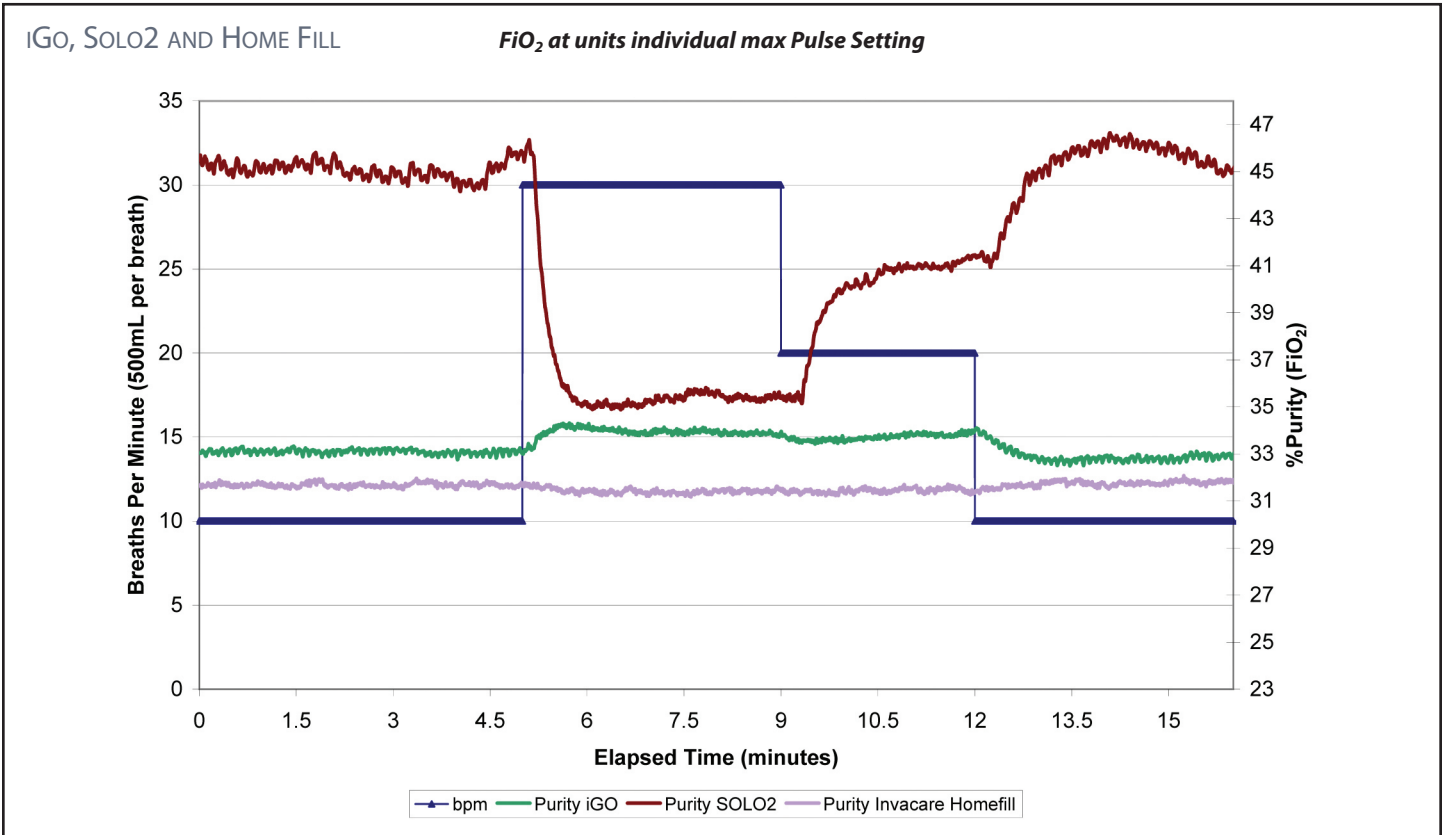


The Eclipse generations, featuring autoSAT Technology, consistently maintains an FiO₂ by adjusting to the patient's respiratory rate. As their rate increases, the autoSAT feature will servo-control the device to automatically increase oxygen output to ensure uninterrupted delivery of the set pulse dose volume. autoSAT provides the patient with unparalleled performance without limiting available oxygen, enabling the system to automatically adjust to increased oxygen demands that often occur as a part of a patient's everyday life.



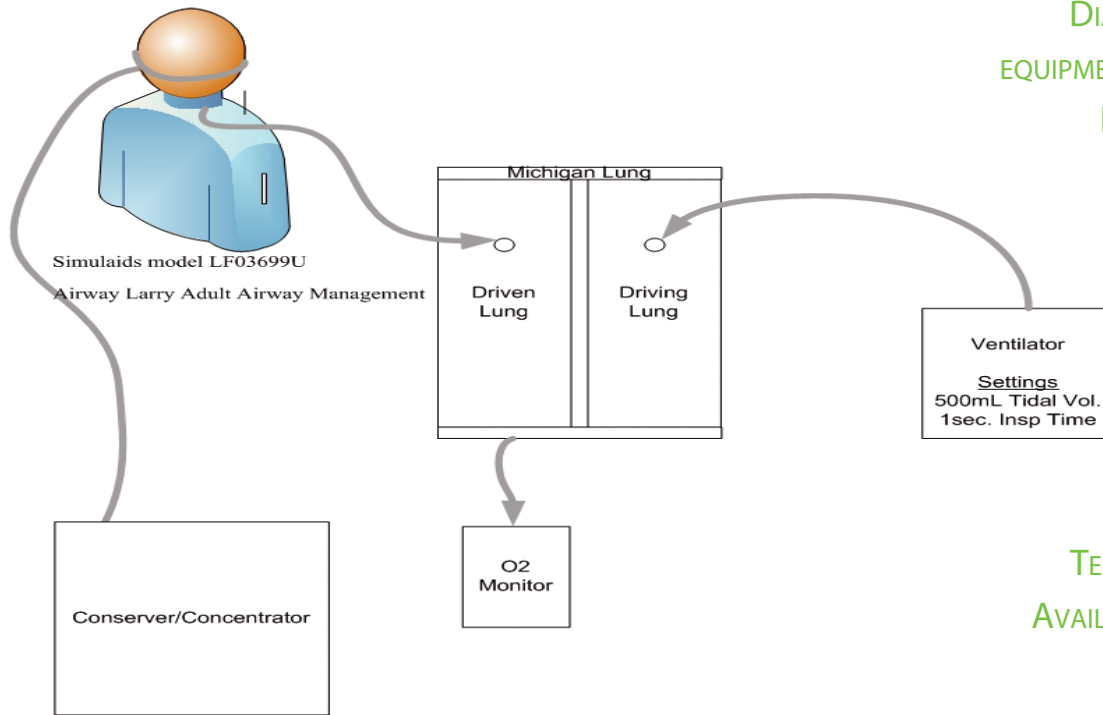


The Eclipse generations with autoSAT is also equipped with three pulse dose volumes of 128mL, 160mL and 192mL which may aid in treating more difficult to saturate patients. Our pulse dosing consistently delivers on time, everytime.



iGo has pulse settings 1-6, Solo2 has pulse settings 1-5, the Invacare Home Fill has pulse settings 1-5.

DIAGRAM OF TEST
EQUIPMENT SET-UP USED FOR
FIO₂ CHARTS



TEST CONDITIONS
AVAILABLE ON REQUEST

Eclipse Oxygen System Specifications

Size: H x W x D	19.3 x 12.3 x 7.1 inches 49.0 x 31.2 x 18.0 cm
Weight: Eclipse Power Cartridge	15 pounds 3.4 pounds
Continuous Flow settings	0.5 to 3.0 LPM (0.5 liter increments) (measured in Liters Per Minute [LPM])
Pulse Dose settings	16-96 (8mL increments), 128mL, 160mL, 192mL (measured in mL)
Oxygen concentration	90% +5.5%/-3% @ sea level
Oxygen output pressure	5.0 psig (34.5 kPa) nominal
Sound level	48 dB(A) at 3.0 LPM Continuous Flow Mode 40 dB(A) at 3.0 Pulse Dose setting
Power specifications: AC Operation DC Operation Power Cartridge (Battery)	100-240 VAC, 50-60 Hz 12 V nominal Quantity (2) 97.5 W-Hr battery packs each containing 7.92 grams of equivalent lithium content
Power Consumption	52 watts at 1.0 LPM continuous flow 145 watts at 3.0 LPM continuous flow 45 watts at 1.0 pulse dose setting 95 watts at 6.0 pulse dose setting
Nominal Power Cartridge (battery) operating time	2.0 hours at 2.0 LPM continuous flow 1.3 hours at 3.0 LPM continuous flow 5.1 hours at 2.0 pulse dose setting, 12bpm 3.5 hours at 6.0 pulse dose setting, 12bpm
Nominal Power Cartridge (battery) recharge time	1.8 to 5.0 hrs recharge time (dependent upon flow) recharge time to achieve 80% capacity from a fully discharged Power Cartridge (battery)
Back up alarm power	9 Volt battery
Oxygen concentration indicator	Green Light = Normal Operation Yellow Light = Caution <85% Red Light Flashing = Warning <70%

Operating temperature	50° F to 104° F (10° C to 40° C) at 82.4° F (28° C) dew point, noncondensing
Trigger sensitivity	Adjustable between -0.135 cm H ₂ O to -0.37 cm H ₂ O
Altitude operating range	0-13,123 feet (0-4000 meters)
Alarms/Alerts	Loss of power Low Power Cartridge (Battery) Low Therapeutic Oxygen Output Oxygen flow outside normal limits No inspiration detected in Pulse Dose Mode Unit Malfunction

Model Selection Guide
Note: The Eclipse Oxygen System consists of Concentrator, Power Cartridge (battery), AC Power Supply, DC Power Supply and Cart with telescoping handle.

Item No: 6900
Eclipse Oxygen System, Model 1000B
North American Power Cord, English Manual


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