



Oxygen Conserving devices

'Everyone breathes intermittently, why provide oxygen continuously?'

Over the past 20 years, oxygen conserving devices have been widely adopted in many countries, worldwide. Even supporting research, carried out by Professor Wedzicha et al, has concluded that 'pulse dose devices are as effective as continuous flow oxygen in maintaining arterial oxygen saturation on exercise in patients with severe COPD'². With more and more studies being conducted and published on these devices, the benefits of conserving devices can clearly be seen.

With the ECOLite 4000™ oxygen conserving device, the oxygen is delivered only during the inspiration phase, permitting savings compared to continuous flow oxygen therapy. The volume of oxygen needed for one breath is delivered during the first third of the inspiratory cycle, which guarantees both efficient and optimal treatment and a short exposure of the nasal mucosa to medical oxygen. More oxygen means patients' cylinders will last longer, thus allowing the patient to stay mobile for longer.

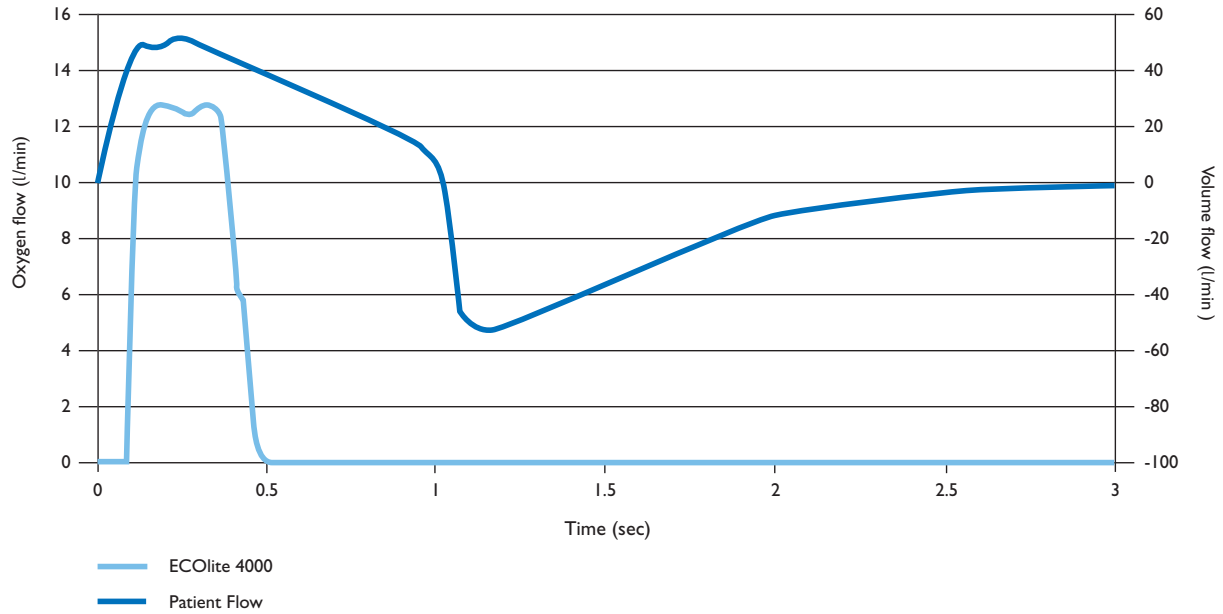
(1) Robert McCoy 2000. Oxygen Conserving Techniques and Devices. Respiratory Care 2000;45(1):95-103

(2) R. Garrod, J C Bestall, E Paul, J A Wedzicha. Evaluation of pulsed dose oxygen delivery during exercise in patients with severe chronic obstructive pulmonary disease. Thorax 1999;54:242-244 (March).



We don't take breathing for granted.

The graphic below shows the oxygen delivery in relation to the respiratory cycle



Simple to use...

The device has two operating modes, automatic and manual. In the automatic mode the amount of oxygen delivered increases in relation to the set flow rate at breath rates of 15 to 30 breaths per minute, to a maximum of 8 l/min. In the manual mode the flows vary from 0.5 to 8 l/min in increments of 0.5 l/min.

Our Patient Service Representatives can lock the flow settings and mode on initial set up, if required.

The device also has several built-in alarm functions for safe use. The alarms are shown on the display and are also audible. The ECOlite 4000™ has alarms for:

- Low battery
- No oxygen
- No breathing

Specifications

Length	101 mm
Diameter	85 mm
Weight (without battery)	184 g
Triggering	At each breath
Cycle Output	0.5 l/min to 8 l/min corresponding to 5-80 ml per bolus
Alarms	Low battery monitoring Missing oxygen supply No inhalation
Power supply	R06, AA alkaline 1.5V
Oxygen supply pressure	1.5-5.5 bar
Minimum Inlet flow	4 l/min
Operating temperature	-10°C to +40°C
Storage temperature	-20°C to +70°C

Actual contents, dimensions and weights may vary from the figures indicated.

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