

## Oxylog® 1000 Simply ventilate

The Oxylog® has been the natural choice of emergency care ventilator for more than 25 years. The Oxylog® 1000 is the most compact ventilator in the Oxylog® range.



This device combines the renowned Dräger technology of the Oxylog with the higher demands which are placed on an emergency ventilator today. With its simple and user-friendly operation, the Oxylog 1000 sets standards.

The Oxylog 1000 is lightweight and extremely sturdy, making it ideal for mobile use. It offers you all that you need for prehospital emergency ventilation, as well as in-hospital emergency resuscitation.

The Oxylog 1000 also stands for great reliability, thanks to its fundamental design, making it ready to meet rough conditions during your mission.

All that the Oxylog 1000 needs to ventilate your patients is oxygen, giving you the freedom to work wherever you need to.



### **Oxylog® 1000**

The Oxylog 1000 is the most compact ventilator in the Oxylog range.



Easier for you, safer for your patient

- All we need is oxygen – and so does the Oxylog 1000. It functions on the basis of a purely pneumatic system, releasing you from being dependent on additional power-supply or batteries.
- Safety first: Integrated audible and visual alarms alert you to disconnection, stenosis and low supply pressure.
- You care about the well-being of your patient. Delicate lung tissue may be damaged at high pressure levels. The Oxylog 1000 allows limitation of airway pressure through its Pmax setting. Once the pressure limit is reached, pressure-limited ventilation with variable volume continues during inspiration.

- In emergency situations, every second counts. Quick handling is required. Familiar control elements laid out in a clear and logical design support optimal and easy operation. The Oxylog's user interface may be adjusted according to local customs and definitions.
- An integrated CPR mode allows ventilation, even during resuscitation efforts.
- The extensive DrägerService® network provides support to you world-wide.



## TECHNICAL DATA

Oxylog 1000 – a time-cycled, volume controlled and pressure limited emergency ventilator for the controlled ventilation of patients who require a minute volume of at least 3 L/min.

Dimensions (W x H x D)	215 x 90 x 215 mm / 8.5 x 3.5 x 8.5 inches (excl. handle)
Weight	3.15 kg / 7.3 lbs
<b>Drive Gas</b>	
Medical grade O <sub>2</sub> or in exceptional cases compressed air	
Supply pressure	2.7 to 6 bar / 40 to 88 psi at 60 L/min
<b>Performance Data</b>	
Ventilation mode	IPPV/ CMV
PEEP ventilation	with optional PEEP valve
Principle of operation	Flow chopper
Control	Time-cycled, volume-constant
Ventilation frequency, smoothly variable	4 to 54 1/min
Minute volume, smoothly variable	3 to 20 L/min
I:E ratio (fixed)	1 :1.5
Max.airway pressure (Pmax), smoothly variable	25 to 60 mbar / cm H <sub>2</sub> O
<b>O<sub>2</sub> concentration of Ventilation Gas when O<sub>2</sub> driven</b>	
Switch to "Air Mix"	approx 60% by vol. O <sub>2</sub>
Switch to "No Air Mix"	100% by vol. O <sub>2</sub>
Gas consumption of control	approx 1.0 L/min
Dead space volume	approx 12 mL
Device compliance	approx. 1 mL/mbar / cm H <sub>2</sub> O
Safety valve opening pressure	80 mbar / cm H <sub>2</sub> O
Pressure gauge display	-10 to +80 mbar / cm H <sub>2</sub> O
<b>Alarm Functions</b>	
Supply pressure low (Psupply)	Supply pressure drops below 2.7 bar / 40 psi
Airway pressure high (Paw high)	Actual value exceeds set value (Pmax)
Airway pressure low (Paw low)	A pressure of 10 mbar/cm H <sub>2</sub> O is not exceeded during inspiration
The alarms are both visual and audible.	
They are provided by purely pneumatic components and do not require any power supply.	
<b>Conditions for Operation</b>	
Temperature range	-18 °C to +50 °C / 0 to 122 °F
Relative humidity	15% to 95% rel humidity
Ambient pressure	700 to 1100 h Pa
Vibration tested	in acc.with MIL STD 810 F, methode 514.5
Airworthiness	in acc.with RTCA DO-160 D, section 8
Classification acc. to EC Directive 93/42/EEC	Class IIb
UMDNS Code	18-098

Typical operating time MV = 10 L/min

- 2.5 L cylinder / 200 bar: approx. 90 min for "Air Mix", approx. 45 min for "No Air Mix"
- E-type O<sub>2</sub> cylinder: approx. 112 min for "Air Mix", approx. 56 min for "No Air Mix"
- D-type O<sub>2</sub> cylinder: approx. 64 min for "Air Mix", approx. 32 min for "No Air Mix"

For more information about options and accessories for the Oxylog 1000, please contact your nearest Dräger representative or visit us at <http://www.draegershop.com>.

**HEADQUARTERS**

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