

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
Drive Gas	
Medical grade O ₂ or in exceptional cases compressed air	
Supply pressure	2.7 to 6 bar / 40 to 88 psi at 60 L/min
Performance Data	
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 ₂ O
O₂ concentration of Ventilation Gas when O₂ driven	
Switch to "Air Mix"	approx 60% by vol. O ₂
Switch to "No Air Mix"	100% by vol. O ₂
Gas consumption of control	approx 1.0 L/min
Dead space volume	approx 12 mL
Device compliance	approx. 1 mL/mbar / cm H ₂ O
Safety valve opening pressure	80 mbar / cm H ₂ O
Pressure gauge display	-10 to +80 mbar / cm H ₂ O
Alarm Functions	
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 ₂ 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.	
Conditions for Operation	
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 O₂ cylinder: approx. 112 min for "Air Mix", approx. 56 min for "No Air Mix"
- D-type O₂ 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>.