CPR MEDICAL DEVICES INC.

Oxylator® EMX

The Oxylator® EMX is a patient responsive emergency resuscitation and inhalation management system designed for hospital and EMS personnel. It is simple, safe and effective and delivers optimal levels of oxygen in a resuscitation attempt and dramatically reduces complications associated with time-cycled ventilators and bag valve mask devices. As with other Oxylator® devices, the EMX automatically maintains adequate ventilation for each patient through a patented pressure and flow sensing system that allows for passive exhalation. Unique technology guides the care giver to provide proper airway management.

The Oxylator® EMX

- Reduces the risk of gastric insufflation during mask ventilation due to its low constant flow rate of 30 litres per minute
- Eliminates barotrauma because of a safe pressure limit range of 20 to 45cmH_2O
- Alerts to mask or tube leaks
- Gives the care giver an indication of the patient's lung condition and lets him/her change the ventilatory pattern by manipulating the pressure limits
- Delivers ALL oxygen to the patient; no oxygen is wasted to power the device as in time-cycled devices
- Frees hands to focus on mask seal to improve airway management
- Informs the care giver of poor lung condition
- Provides manual and continuous cycling modes
- Has an inhalation mode providing "enriched oxygen" for the spontaneously breathing patient
- Assists the shallowly breathing patient
- Eliminates "breath stacking" associated with time-cycled devices
- Offers audible and visual indication of an airway obstruction
- Assures FIO_2 of 1.0 during resuscitation
- Synchronizes automatically with chest compressions
- Reduces the care giver's fatigue
- Always maintains positive airway pressure in continuous cycling mode even at the end of the exhalation phase (2 to 4cmH_2O PEEP)

- Includes a single use, quick change viral/bacterial filter
- Is light weight, handy and impact resistant
- Allows for easy cleaning and assembly
- Requires minimal training
- Needs minimal maintenance due to few moving parts
- Offers a 5 year warranty
- Represents outstanding economic value

Product features and specifications on reverse.

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OXYLATOR® EMX

The OXYLATOR® EMX is sold with five disposable filters, QC report and warranty card.
Separate oxygen delivery kits may also be purchased. Please consult your distributor for details.

Feature	Specification
Model	OXYLATOR® EMX
Weight	0.25 kg; 0.55 lbs
Dimension dia * length	2.25 in. * 4.25 in., 57mm * 108mm
Material of housing	Acetal
Required source pressure	between 45 psig to 80 psig, or between 3.0 bar and 5.5 bar
Required flow (source)	min. 30 litres per minute
Dead Space	20 millilitres
Inspiratory flow rate	30 litres per minute (max)
Minute volume delivered	10 to 12 litres per minute in auto mode
Min. time of oxygen supply	Cylinder vol. divided by 12 l/min
I : E ratio	1 : 1 to 1 : 2 or manually controlled
PEEP	2 to 4 cm H_2O in auto mode
Ventilatory frequency	Auto-adjusting to lung capacity in auto mode
Range of pressure relief	20 to 45 cm H_2O , 14.5 to 35 mm Hg
Expiratory resistance	approximately 5 cm H_2O in manual mode
Suitable body mass range	10 kg+, 22 lbs +
Inhalator flow	0 to 15 litres per minute of 100% O_2
Oxygen concentration	100% during resuscitation mode
Filter	Single use, disposable
Mask/airway connections	15mm internal / 22mm external
Usage temperature range	- 30 C - + 60 C, - 22 F - +140 F
Storage temperature range	- 40 C - + 70 C, - 40 F - +158 F
Obstructed airway warning	Rapid cycling, audible and visual
Oxygen inlet connection	DISS, ISO standard or quick connect
Warranty	Five year, maintenance free warranty

SpecificationCons are subject to change.

The OXYLATOR® EMX contains patented technology developed and manufactured by:

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