

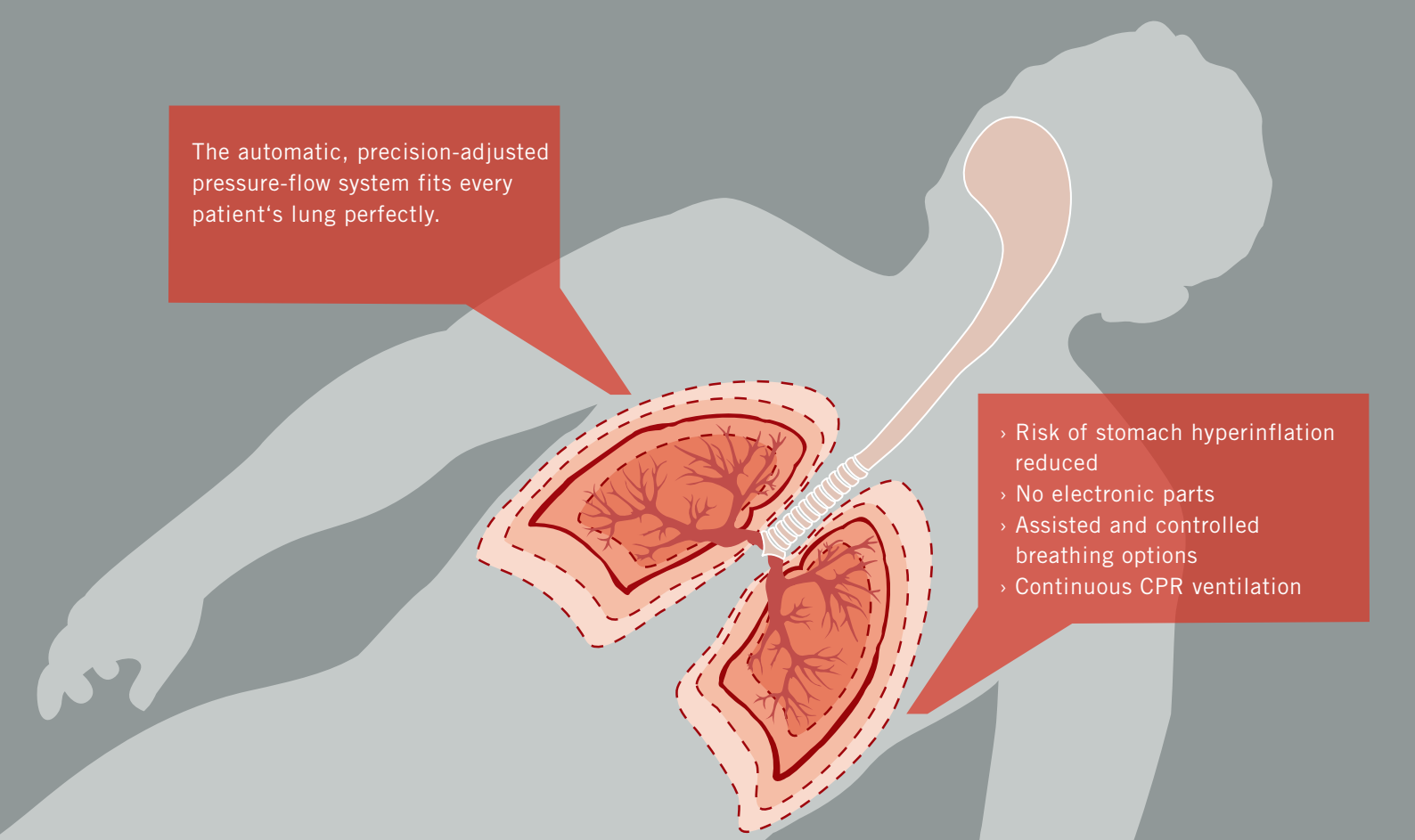


AIR FOR LIFE

PRIMEDIC™ OXYLATORS®
FOR EMERGENCY VENTILATION



PRIMEDIC™
Saves Life. Everywhere.



The automatic, precision-adjusted pressure-flow system fits every patient's lung perfectly.

- › Risk of stomach hyperinflation reduced
- › No electronic parts
- › Assisted and controlled breathing options
- › Continuous CPR ventilation

PRIMEDIC™ OXYLATORS® BREAKING NEW GROUND IN EMERGENCY VENTILATION

With the pioneering new design of the ventilation devices OXYLATOR® FR-300, EMX and HD from PRIMEDIC™, emergency medicine is revolutionised, now and for the future. The OXYLATOR® is a pressure-and-flow-controlled emergency ventilation device which does not require an electricity or battery power source, as it works solely through oxygen supply. The devices are portable, robust and require very little maintenance.

Progressive Functioning Principle

To make ventilation as easy and as safe as possible, we have designed our OXYLATORS® with user- and patient-friendliness in mind. Its simple one-button operation enables ventilation with 100% oxygen. The OXYLATOR® can be set for automatic or manual use. The patient connector fits all ventilation masks, endotracheal tubes and all alternative means of securing the airway (e.g. laryngeal masks and tubes). The automatic, precision-adjusted pressure-flow system fits every patient's lung perfectly. The inspiration phase is designed with pressure of 20 cm H₂O (in the FR-300 model). Once the patient's individual lung capacity has been reached in the inhalation phase, the OXYLATOR® automatically switches over to the passive exhalation phase (expiration).

The low flow of 30 L/min means that pressure is built up slowly, preventing turbulence or pressure spikes, which can open up the oesophageal sphincter and cause stomach hyperinflation or regurgitation. With PRIMEDIC™ OXYLATORS®, assisted ventilation is also possible. Whenever the patient manages to take sufficient breath on his own, the inspiration phase of the device cuts out. All of our ventilation devices require nothing more than the pressure of the oxygen bottle, meaning that they work without electricity or any other power source. And because they have no electronic parts, OXYLATORS® have no problems working under unfavourable weather conditions, such as temperatures from -30°C to +60°C.

Easy to use (even for people with no medical training)

As soon as the cylinder valve is open, the OXYLATOR® is ready to use. Once the control button had been pressed and locked into place, the mask can be positioned as required and patient ventilation started. Using the double-C handle allows best possible mask fit. Patients requiring ventilation (trauma patients) can be ventilated using the Esmarch handle in the in-line position. By pressing on the mask dome with the balls of the thumb whilst at the same time applying tension to the jaw angle, free airways can be achieved with the mask at the correct level of tightness. For intubated patients or when using laryngeal masks or tubes, the OXYLATOR® is placed directly onto the tubes and switched on. In manual ventilation mode, a second's pressure on the control button ventilates the patient with 500 mL of oxygen. 30 L/min corresponds to a tidal volume of 500 mL/sec.



The irrefutable advantages:

PRIMEDIC™ OXYLATORS® bring together ease of use, compact device design and high safety levels for patient and user. The ventilation devices are a valuable addition to first aid treatment for emergency patients. After minimal training, any user can ventilate patients safely and professionally – both in the First Response and the professional domain.

- › Continuous 100% oxygen ventilation
- › Automatic adjustment to patient parameters
- › Negligible danger of stomach hyperinflation
- › Assisted and controlled ventilation options
- › Mask and tube ventilation options
- › Oxygen-controlled; requires no electricity or batteries
- › Audiovisual warning in the event of airway obstruction
- › Simple one-button controls with manual and automatic ventilation function
- › Double-C handle during ventilation ensures best possible mask fit

PRIMEDIC™ OXYLATOR® FR-300

Emergency Ventilation Device for First Responders

The OXYLATOR® FR-300 essentially takes over the functions of bag-mask ventilation. It is so easy to use that it can even be used by people with no medical training, after only a short training and briefing session.

In extreme situations and complex rescue actions, the well thought-out functionality of the OXYLATOR® FR-300 comes into its own. In the event of rescues from shafts or using turntable ladders, all you need is the OXYLATOR® and the oxygen bottle. The emergency patient can be ventilated whilst the rescue action is underway. Thanks to its compact design, the automatic ventilation device fits into any medical emergency case or PRIMEDIC™ emergency backpack.

In conjunction with an AED, the OXYLATOR® FR-300 guarantees a much higher level of safety in emergency and disaster medicine: automatic ventilation together with automatic analysis and defibrillation.



PRODUCTS

Safe ventilation devices for First Responders and professional clinical use

Our device models are designed with the needs of professional users and first aiders in mind. While the FR-300 is strictly limited to a pressure limit of 20 cm H₂O, the EMX can be regulated at 20-45 cm H₂O and the HD at 15-30 cm H₂O.



PRIMEDIC™ OXYLATOR® EMX/HD




Emergency ventilation device for professional use in the clinical and pre-clinical domain

The PRIMEDIC™ OXYLATOR® EMX / HD is the result of many years of clinical studies and research and development work. Like all of our OXYLATORS®, these ventilation devices use no electricity or battery supply, requiring only the pressure of the oxygen bottle.

As it includes the option to set ventilation pressure (15) 20-45 cm H₂O, ventilation can be precisely adjusted to the needs of the patient and professional user (e.g. intubated patient, COPD).



Technical Specifications

	EMX	FR 300	HD
			
Weight	0,25 kg	0,18 kg	0,25 kg
Diameter	57 mm	48 mm	57 mm
Length	108 mm	100 mm	108 mm
Casing	Acetal	Acetal	Acetal
Required flow rate (source)	30 l/min	30 l/min	30 l/min
Minute volume during automatic cycle control	10 - 12 Liter	10 - 12 Liter	10 - 12 Liter
Cycle control	1:1 - 1:2 oder manually controlled	1:1 - 1:1,5 oder manually controlled	1:1 - 1:2 oder manually controlled
PEEP	2 - 4 cm H ₂ O	2 - 4 cm H ₂ O	2 - 4 cm H ₂ O
Clearance volume	20 ml	20 ml	20 ml
Obstruction alarm	audible/visible	audible/visible	audible/visible
Mask-tube connector	15 and 22 mm	15 and 22 mm	15 and 22 mm
Operating temperature	-30 °C - +60 °C	-30 °C - +70 °C	-30 °C - +60 °C
Lagertemperatur	-40 °C - +70 °C	-40 °C - +70 °C	-40 °C - +20 °C

The technical specifications may vary slightly depending on the model and development.

The OXYLATOR® fulfils the requirements of all AHA/ERC/ILCOR guidelines on cardiopulmonary resuscitation- "Guidelines 2005".

The OXYLATOR® bear design approval certification of

No. 08/M077/94 EC - Declaration of Conformity:

The OXYLATOR® of model range:

- FR-300
- EMX
- HD

correspond to the relevant stipulations of Directive 93/42/EEC, Appendix II on medical devices and ISO 13485 and is produced under the EC mark CE 0120.



OVERVIEW



OXYLATORS®
OXYLATOR® FR-300

OXYLATOR® EMX/HD



Defibrillators
HeartSave AED

HeartSave AED-M



ACCESSORIES



Emergency intubation*

Cold light laryngoscope handle with 3 spatulas Sizes 2, 3 & 4; Magill forceps; dressing forceps curved, tube setting, blocker syringe, 4 endotracheal tubes CH22, 26, 30 & 34



Suction*

Hand suction pump with two containers, 250 mL and 50 mL, 3 Yankauer catheters, 1 adapter for suction catheter with funnel attachment, suction catheter CH10, 14 & 18



Oxygen*

Oxygen bottle, oxygen bottle mount, refillable oxygen bottle + refill (2 L), optional pressure regulator



PRIMEDIC™ Emergency Backpack*

*The accessories may differ from the illustration.

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