

MEDUMAT Easy^{CPR}

The Guiding Emergency Ventilator

NEW





MEDUMAT Easy^{CPR}



Safe and Effective Ventilation for Non-Intubated and Intubated Patients

Airway management and ventilation are some of the most important, yet challenging situations EMS faces in the pre-hospital setting. And ventilation continues to be one of the most difficult aspects of high-performance CPR. With MEDUMAT Easy^{CPR}, ventilation is consistent and reliable, lowering the risk of hyperventilation and gastric insufflation that comes with

manual bag-valve mask ventilation. MEDUMAT Easy^{CPR} can be used with a basic mask, a supraglottic airway or an endotracheal tube, allowing responders at all levels to maintain appropriate respiratory rates and tidal volumes throughout patient care. The ventilator ensures the highest degree of safety by giving clear audio responses that guide the EMS

responder through CPR procedures. When developing MEDUMAT Easy^{CPR}, we concentrated on ergonomic design, intuitive operation and a size and weight that would be easy to transport. Mounted on a LIFE-BASE portable system MEDUMAT Easy^{CPR} and our defibrillator/monitor MEDUCORE Standard² make the perfect emergency team.

Main Benefits

- Can be integrated easily in the standard process for CPR
- Simple to use with intuitive controls and predefined settings
- Small and lightweight
- Allows one person to administer two mechanical breaths in less than 5 sec.
- Can be used on one portable system together with MEDUCORE Standard or MEDUCORE Standard²
- Voice assistance available in 20 languages
- Reliable rate and volume – not too much, not too little
- Decreased risk of hyperventilation and gastric insufflation compared to a BVM
- Demand flow mode for oxygenation of patients who are spontaneously breathing

Simple and Intuitive

MEDUMAT Easy^{CPR}'s built-in adult and pediatric settings allow you to quickly ventilate at the right rate and volume during critical situations. With minimal training, paramedics of all levels can use MEDUMAT Easy^{CPR} to better ventilate patients with a variety of conditions. And at less than 1 kg, MEDUMAT Easy^{CPR} is ideal for the pre-hospital setting.



Product Features

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|--|---|--|
| <ul style="list-style-type: none"> 1. CPR mode for applying manual breaths via MEDUtrigger during resuscitation 2. One single knob for setting tidal volume and ventilation rate 3. Color coding for simple settings by patient age | <ul style="list-style-type: none"> 4. Built-in visual and audible alarm system 5. Demand-flow mode supports spontaneous ventilation 6. Two pressure limits for tube and mask ventilation | <ul style="list-style-type: none"> 7. Continuous monitoring of airway pressure via LED display 8. Connection for oxygen hose 9. Loudspeaker for voice assistance and metronome (can be deactivated) |
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More Consistent Mask Ventilation

Using the integrated MEDUtrigger, a single EMS professional can maintain a good mask seal with both hands while simultaneously ventilating the patient. Located on the ventilation mask, the MEDUtrigger allows the rescuer to deliver a single mechanical breath at a fixed tidal volume – simply by pressing a button with their thumb. Once a supraglottic airway or endotracheal tube is in place, MEDUMAT Easy^{CPR} can be used for continuous ventilation with a fixed ventilation rate and volume. This allows the EMS professional to accomplish other tasks besides ventilation.



LIFE-BASE Portable Systems



Mobility Concept for MEDUMAT Easy^{CPR}

Available on LIFE-BASE portable systems, MEDUMAT Easy^{CPR} offers you many benefits in ventilation and oxygen therapy.

1. LIFE-BASE 3 NG with MEDUCORE Standard² and MEDUMAT Easy^{CPR} (WM 9932)
2. Combination options with monitor/defibrillator MEDUCORE Standard² or MEDUCORE Standard (not shown)
3. Easy to transport
4. Both ventilation and oxygen inhalation possible in one system
5. Practical and safe storage of accessories



LIFE-BASE light
with MEDUMAT Easy^{CPR} and
MODUL CPAP (WM 28235)



LIFE-BASE III
with MEDUMAT Easy^{CPR} (WM 9155)



LIFE-BASE III MASCAL
with MEDUMAT Easy^{CPR},
MODUL Oxygen and 3-way distributor
(WM 8000)

Accessories and Replacement Parts



- | | | | |
|--|----------|--|----------|
| 1. Reusable ventilation hose system
with patient valve | WM 22520 | 5. Reusable PEEP valve | WM 3215 |
| • Ventilation hose | WM 22647 | infinitely adjustable from 2.5 to 10 mbar, | |
| • Patient valve, consisting of | WM 3280 | 22 mm external diameter | |
| connection nozzle to patient hose, upper | | 6. CapnoDura Combi | WM 20760 |
| control element, bottom control element | | disposable detector for endtidal CO ₂ measurement | |
| for spontaneous breathing and lip membrane | | • Set of 10 | WM 20770 |
| 2. Disposable ventilation hose system | WM 28110 | 7. Heat and moisture exchanging filter | WM 22162 |
| with patient valve | | | |
| • Set of 10 | WM 15454 | 8. Test bag | WM 1454 |
| • Set of 25 | WM 15455 | | |
| • Set of 50 | WM 15456 | 9. EasyLung | WM 28625 |
| | | for simulation of ventilation | |
| 3. Reusable hose protection sleeve | WM 8297 | 10. Battery | WM 28045 |
| | | | |
| 4. MEDUtrigger | WM 20900 | | |
| for manual ventilation | | | |

Technical Data

Dimensions incl. connections (WxHxD)	100 x 145 x 90 mm
Weight	0.7 kg
Temperature	-20 °C to +50 °C • For operation • For storage
Oxygen concentration	100%
Gas supply	Medical grade oxygen
Oxygen consumption for device operation	0 l/min
Operating pressure	2.7 bar to 6 bar
Minimum input flow	40 l/min
Power supply	<ul style="list-style-type: none"> Lithium ion battery (3.6 V; 5.2 Ah) Battery runtime up to 100 h under standard conditions
IPPV mode	
• Ventilation rate	Infinitely adjustable from 10 to 25 min ⁻¹
• Tidal volume (Vt)	Infinitely adjustable from 65 to 950 ml
• Correlation of tidal volume to ventilation frequency	$\frac{f(\text{min}^{-1})}{V_t(\text{ml})} \begin{matrix} 25 & 20 & 15 & 12 & 10 & 10 & 10 & 10 \\ 65 & 100 & 150 & 300 & 500 & 600 & 800 & 950 \end{matrix}$
• I:E ratio	1:2 or 1:3
• Max. ventilation pressure	20 or 45 mbar
CPR mode	
• Tidal volume (Vt)	Adjustable from 65 ml to 950 ml
• Max. ventilation pressure	20 mbar or 45 mbar
• I:E ratio	1:1
Demand flow mode	<ul style="list-style-type: none"> Trigger 0.8 mbar Peak flow > = 40 l/min Switch-off pressure 3 mbar
Visual and audio alarms	<ul style="list-style-type: none"> Airway pressure high Airway pressure low/Apnea Supply pressure low (2.7 bar O₂) Battery low
Protection from dust and splashing water	IP54
Applied standards	DIN EN 794-3, ISO 10651-3, EN 1789, EN 60601-1, EN 60601-1-2, EN 60601-1-12, RTCA/DO-160





Simply Professional

WEINMANN Emergency is a family-owned, internationally active medical technology company. With our mobile system solutions for emergency, transport and disaster medicine, we set standards for saving human lives. In close collaboration with professional users in emergency medical services, hospitals and military medical corps, we develop innovative medical products for ventilation and defibrillation. For more than 100 years we have offered our customers a high degree of reliability, extensive experience and quality made in Germany.

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