MEDUMAT Easy CPR
The Guiding Emergency Ventilator
Intuitive operation, small and lightweight

Although patient resuscitation is not part of your daily work, you are regularly confronted with this challenging situation. Then it is extremely important to have a reliable partner on your team that can assist you with ventilation and Cardiopulmonary Resuscitation (CPR). MEDUMAT Easy CPR was specially developed for emergency ventilation during and after resuscitation. You can, for example, trigger a ventilator breath right from the mask. The ventilator ensures the highest degree of safety by giving you clear audio responses that guide you through CPR procedures. In developing MEDUMAT Easy CPR, we concentrated on ergonomic design, intuitive operation and a size and weight that would be easy to transport. You’ll have the perfect emergency team with the defibrillator/monitor MEDUCORE Standard mounted on a portable system.
Increased safety and better outcomes
You can quickly make the main settings (frequency, tidal volume, pressure limits) which comply with the ERC Guidelines. With the help of the integrated metronome and the audio responses, you will find it easy to provide the recommended rate of 110 chest compressions per minute and two rescue breaths within 5 seconds. With the administration of a constant volume and a regular ventilation frequency, you can also avoid hyperventilation of the patient. The adjustable pressure limit helps you to prevent gas insufflation of the patient’s stomach and barotrauma to the lungs.

A study from 2013 showed: “The use of an automatic, manually-triggered device may improve ventilation efficiency and decrease the risk of pulmonary overdistension, while decreasing the ventilation rate.”**

MEDUMAT Easy CPR speaks your language
Professional users around the world depend on the helpful audio response facilities in MEDUMAT Easy CPR which is available in more than 20 languages.

** l’Her, E., Roy, A.: Bench Tests of Simple, Handy Ventilators for Pandemics: Performance, Autonomy and Ergonom, Respiratory Care, Volume 56, Number 6, June 2011

**The […] MEDUMAT Easy volume-cycled ventilators were technically efficient and reliable; their gas consumption was less than that of conventional emergency ventilators.***
Cleverly Designed

ERC Guidelines 2015 compliance
- Tidal volumes:
  - 6 – 7 ml/kg body weight
  - 500 ml – 600 ml at f = 10/min
- Acoustic metronome signal f > 100/min ensures the correct frequency for chest compressions.
- Ventilation phase in CPR mode: max. 5 seconds
- Both hands are free for mask ventilation

User-friendly operation
- Small and space-saving
- Lightweight and handy
- Easy to transport
- Simple integration in CPR procedures

Flexibility
- In CPR mode you decide when the patient should be ventilated
- Intuitive operation minimizes need for training
- Portable system LIFE-BASE increases device mobility
- Expandable functionality with WEINMANN Emergency modules
- Safe storage of practical accessories

Safety
- Clear and explicit audio responses
- Metronome function ensures correct frequency during Cardiopulmonary Resuscitation
- Maximum ventilation pressure can be set
- Switch for maximum ventilation pressure (20 mbar/45 mbar)
- Visual and acoustic alarms
- Selection of ventilation parameters with only one knob
- Dial for tidal volume and ventilation frequency

CPR mode for assistance with chest compressions
Fast setting of parameters
MEDUtrigger to trigger a single ventilator breath
How MEDUMAT Easy CPR helps you with CPR

Use Case: Just before the end of the working day Hans S. does not feel well, but decides to move one more pallet into the warehouse. Suddenly, his heart stops beating and his breathing ceases. He blacks out.

The First Responders reach Hans S. MEDUMAT Easy CPR helps to get ventilation and resuscitation started at once. The device tells the rescuers what to do.

Audio response from MEDUMAT Easy CPR:
"Adjust settings and connect patient."

"Perform chest compressions now."
The metronome helps by giving a frequency of > 100/min.

"Provide two ventilations now."
Ventilation can be triggered manually. The First Responder has both hands free to hold the mask in place.
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 Standard and MEDUMAT Easy CPR (WM 9455)
2. Combination options with defibrillator/monitoring system MEDUCORE Standard
3. Easy to transport
4. Practical and safe storage of accessories
5. MEDUtrigger allows manual triggering of ventilator breaths

LIFE-BASE light
With MEDUMAT Easy CPR and MODUL CPAP (WM 28235)

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

LIFE-BASE III MCI
with MEDUMAT Easy CPR, MODUL Oxygen and 3-way distributor (WM 8000)
### Technical Data MEDUMAT Easy CPR

<table>
<thead>
<tr>
<th>Setting options</th>
<th>Gas supply</th>
<th>Gas for internal control system</th>
<th>Power supply from lithium battery (accessible from outside device)</th>
<th>Temperature</th>
<th>Protection from splashing water</th>
<th>Standards used</th>
<th>Dimensions (W x H x D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deactivation of audio responses</td>
<td>medical grade oxygen</td>
<td>0 l/min</td>
<td>3.6 V; 5.2 Ah, life expectancy &gt; 2 years</td>
<td>-18 °C to +60 °C</td>
<td>IP54</td>
<td>EN 794-3, EN 60601-1-1, EN 1789</td>
<td>100 x 145 x 90 mm incl. connections</td>
<td>About 0.6 kg</td>
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<tr>
<td>Deactivation of CPR metronome</td>
<td></td>
<td></td>
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<td>-40 °C to +70 °C</td>
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<tr>
<td>Depending on device version, more than 12 different languages</td>
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**IPPV mode**
- **Ventilation frequency**: Adjustable from 10 to 25 min⁻¹
- **Tidal volumes (Vt)**: Adjustable from 65 to 950 ml
- **Correlation of tidal volume to ventilation frequency**
- **Max. ventilation pressure**: 20 or 45 mbar*
- **Double stroke process**

- **Demand flow mode**
  - **Trigger**
  - **Peak flow**
  - **Shutdown pressure**: < 1 mbar* 47 to 52 l/min 3 mbar*

- **Visual alarm**
  - **Stenosis**
  - **Disconnection/Apnea**
  - **Decrease in supply pressure** (< 2.7 bar)
  - **Battery discharged/Device failure**

*1 mbar = 1 hPa

We reserve the right to make changes to the technical specifications without notice.
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 armies, 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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