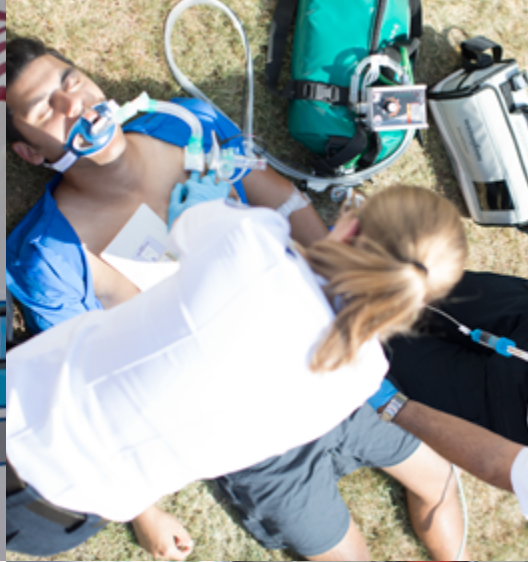WEINMANN
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MEDUMAT Easy^CPR

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

Ø 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

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

4. Built-in visual and audible alarm system

5. Demand-flow mode supports spontaneous ventilation

6. Two pressure limits for tube and mask ventilation

7. Continuous monitoring of airway pressure via LED display

8. Connection for oxygen hose

9. Loudspeaker for voice assistance and metronome (can be deactivated)

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.

MEDUtrigger: delivers mechanical breaths on demand while maintaining two-handed mask seal

Ø LIFE-BASE Portable Systems

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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[2] and MEDUMAT Easy^CPR (WM 9932)

2. Combination options with monitor/defibrillator MEDUCORE Standard[2] 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

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1. Reusable ventilation hose system   WM 22520
   with patient valve
   • Ventilation hose   WM 22647
   • Patient valve, consisting of   WM 3280
   connection nozzle to patient hose, upper
   control element, bottom control element
   for spontaneous breathing and lip membrane

2. Disposable ventilation hose system   WM 28110
   with patient valve
   • Set of 10   WM 15454
   • Set of 25   WM 15455
   • Set of 50   WM 15456

3. Reusable hose protection sleeve   WM 8297

4. MEDUtrigger   WM 20900
   for manual ventilation

5. Reusable PEEP valve   WM 3215
   infinitely adjustable from 2.5 to 10 mbar,
   22 mm external diameter

6. CapnoDura Combi   WM 20760
   disposable detector for endtidal CO_2 measurement
   • Set of 10   WM 20770

7. Heat and moisture exchanging filter   WM 22162

8. Test bag   WM 1454

9. EasyLung   WM 28625
   for simulation of ventilation

10. Battery   WM 28045

⌀ Technical Data

Dimensions incl. connections (W x H x D)	100 x 145 x 90 mm
Weight	0.7 kg
Temperature • For operation • For storage	-20 °C to +50 °C -40 °C to +70 °C
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	• Lithium ion battery (3.6 V; 5.2 Ah) • Battery runtime up to 100 h under standard condititions
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	(see table below)
• I:E ratio	1:2 or 1:3
• Max. ventilation pressure	20 or 45 mbar

f (min-1)	25	20	15	12	10	10	10	10
V_t (ml)	65	100	150	300	500	600	800	950

CPR mode • Tidal volume (Vt) • Max. ventilation pressure • I:E ratio	Adjustable from 65 ml to 950 ml 20 mbar or 45 mbar 1:1
Demand flow mode	• Trigger 0.8 mbar • Peak flow > = 40 l/min • Switch-off pressure 3 mbar
Visual and audio alarms	• Airway pressure high • Airway pressure low/Apnea • Supply pressure low (2.7 bar O_2) • 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

CE 0197

Certified Quality Management System meeting EC directive 93/42/EEC, Annex II (EN ISO 9001:2008/EN ISO 13485)

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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.

Headquarters
WEINMANN Emergency
Medical Technology GmbH + Co. KG
Frohbösestraße 12
22525 Hamburg
Germany

T: +49 40 88 18 96-0
F: +49 40 88 18 96-480
T: +49 40 88 18 96-120   Customer Service
T: +49 40 88 18 96-122   After-Sales Service
E: info@weinmann-emt.de

Center for Production, Logistics, Service
WEINMANN Emergency
Medical Technology GmbH + Co. KG
Siebenstücken 14
24558 Henstedt-Ulzburg
Germany

China
Weinmann (Shanghai) Medical Device Trading Co. Ltd.
T: +86 21 52 30 22 25 • info@weinmann-emt.cn

U.A.E.
WEINMANN Emergency Medical Technology GmbH + Co.KG (Branch)
T: +971 432 100 31 • info-dubai@weinmann-emt.com

France
WEINMANN Emergency France SARL – Paris – Les Ulis
T: +33 1 69 41 51 20 • info@weinmann-emt.fr

Russia
Weinmann SPb GmbH – St. Petersburg
T: +7 812 633 30 82 • info@weinmann-emt.ru

Singapore
Weinmann Singapur PTE, Ltd.
T: +65 65 09 44 30 • info-singapore@weinmann-emt.sg

Spain
WEINMANN Emergency Medical Technology GmbH + Co. KG
T: +34 91 79 01 137 • info-spain@weinmann-emt.es

USA
Weinmann Emergency LP
T: +1 770-274-2417 • info@weinmann-emergency.com

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