

MEDUMAT Standard²

Emergency and Transport Ventilator - Technical Details

Dimensions:	206 mm x 137 mm x 130 mm
Weight:	Approx. 2.5 kg
Temperature (operating conditions):	-18 °C to +50 °C (0 °C to +40 °C with CO ₂ measurement)
Height above sea level (operating conditions):	-500 m to 5 000 m
Degree of protection against: - Ingress of solid foreign bodies - Ingress of dust - Ingress of water with harmful effect	IP54
Resistance to shock and vibration:	EN 1789 EN 794-3 ISO 10651-3 RTCA DO-160 MIL-STD 810 G
Power supply:	12 to 15 V or 100 to 240 V / 50 to 60 Hz with external power supply unit
Battery runtime (typically):	Up to 10 h
Ventilation modes (standard):	IPPV CPR RSI CPAP Demand
Ventilation modes (optional):	SIMV SIMV + ASB S-IPPV CPAP + ASB PCV aPCV BiLevel + ASB PRVC + ASB CCSV
Monitoring:	Airway pressure, Optional: Expiratory flow/volume Capnography etCO ₂ trend Chest compression rate (only with CCSV)
Other functions:	CCSV mode for resuscitation RSI mode for induction of anesthesia Bluetooth® data transmission option Night Vision Goggles option
FiO ₂ :	AirMix (approx. 60%) or 100%
Tidal volume:	50 ml to 2 000 ml
Ventilation rate:	5/min to 50/min
I:E:	1:4 to 4:1, 1:1 in CPR Manual
PEEP:	0 mbar to 30 mbar
Further standards used:	EN 60601-1 EN 60601-1-2 EN 794-3 ISO 10651-3 EN 13718-2