



ESV-510 Ventilator



- Multi-functional emergency transport ventilator
- Pneumatically driven electronically controlled
- All parameters set in one step
- Simple operate, compact design, reliable in performance
- Waveform display and multi-parameter monitoring
- Backup apnea ventilation
- Flexible power supply: AC,DC, rechargeable built-in battery
- CE marked



Technical Specification

Specification

Modes of ventilation

- Assist/Control (A/C)
- Synchronized Intermittent Mandatory Ventilation (SIMV)
- Spontaneous ventilation (SPONT)
- Manual ventilation (Manual)
- Combined: VCV + SIGH

Parameter

- Tidal volume: 0~1500ml
- Respiratory rate: 4~99bpm (A/C mode)
4~40bpm (SIMV mode)
- IE ratio: 2:1 ~1:4
- FiO₂: 48%~100%
- Pressure trigger sensitivity: -2~0kPa (above PEEP)
- PEEP (option): 0.5~2kPa

Monitoring

- Pressure values: P_{peak}
- Volume/flow values: V_t, MV
- Time values: f_{total}
- Real time curves : Pressure-Time

Alarm

- P_{aw} high, P_{aw} low, Apnea, AC power failure, Battery low, O₂ deficiency

Technical data

- Screen: LCD
- Gas supply: O₂, 0.28~0.6MPa
- Power supply: AC110~240V, 50Hz/60Hz, ≤65VA
- Maximum security pressure: ≤6kPa
- Compliance: ≤4mL/100Pa
- Noise: ≤65dB(A)
- Dimension(H×W×D): 175×170×300mm
- Weight : 3.5kg

Environment requirement

- Temperature: 0°C~40°C(Operation)
-10°C~40°C (Storage)
- Relative humidity: ≤85%, non-condensing(Operation)
≤93%, non-condensing (Storage)
- Atmospheric pressure: 70~110kPa(Operation)
50~106kPa (Storage)



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