



ESV-510 ventilator



- Multi-functional emergency transport ventilator
- Pneumatically driven electronically controlled
- All parameters set in one step
- Simple operation, compact design, reliable performance.
- Waveform display and multi-parameter monitoring
- Backup apnea ventilation
- Flexible power supply: A/C, D/C, rechargeable build-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)
≤80%, non-condensing (Storage)
- Atmospheric pressure: 70 ~110 kPa (Operation)
50 ~106 kPa (Storage)



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