



MEDI ELECTRONICS

...“Doctor’s convenience, patient’s comfort.”

SERVOENT 300

ADULT Ventilator

- Portable
- Easy To Use
- Invasive
- Noninvasive (mask)
- Battery Backup 2 Hrs
- One Button Ventilation
- For Ambulance
- For ICU
- For Homecare
- Turbine Based
- High Flow
- HFNC (optional)



www.medielectronics.in



sales@medielectronics.in

SERVOVENT 300 ***ADULT Ventilator***

Technical Specification

Basic Description

Electrically Powered, Multiple Microprocessor Controlled Ventilator
Control Principle: Closed Loop Flow & Pressure Controller
Ventilation Modes: Volume controlled CMV
Volume controlled SIMV
Pressure controlled BiPAP
Continuous Positive Airway Pressure (CPAP)
HNFC (optional)

Ventilation Performance and Controlled Parameters

Respiratory Rate 1 to 60 BPM
Tidal Volume 200 to 1500 ml
Inspiratory Pressure Limit 5 to 60 cm H₂O
Inspiratory Time 0.3 to 3 seconds
Peak Flow 120 L/min
Oxygen Mix (FIO₂)* 21% to 100%
PEEP 0 to 15cm H₂O
Trigger Sensitivity 1 to 6L/min
Positive Pressure Relief Valve 60 cm H₂O

Monitoring and Displayed Parameters

Airway Pressure (graph & numerical)
I:E Ratio
Exhaled Tidal Volume
Inspiratory Time
Electrical Power Source (external / internal)
Battery Level
Real Time Pressure and Flow Waveforms

User Adjustable Alarms

Automated

Additional Alarms and Indicators

Alarms: Indicators:
Low O₂ Pressure
AC Disconnect Internal Battery Use
Low Battery
Low V_te
Oxygen sensor error
Patient Disconnect
Low / High FiO₂

Size and Weight

Dimensions:
Height 10.8" / 27.5 cm
Width 11.5" / 29.2 cm
Depth 12.3" / 31.2 cm
Screen 5.1" / 13 cm diagonal
Weight 13 kg (with battery)

Power Supply

External AC 100 to 240 V, 50 to 60 Hz, Max 2.0 A
Internal Battery Sealed Lead-Acid 12 V (7.8 Ah) (rechargeable)
Battery backup (full charged)Operating Time Up to 2 hours (depending on ventilation parameters)

Oxygen (enrichment) Supply

High Pressure Supply 40 to 60 psi (2.8 to 4.2 bar)

Environmental Specifications

Operating Temperature 0 to 50° C / 32 to 120° F
Storage Temperature -15 to 70° C / -4 to 140° F
Relative Humidity 15 to 95% at 30°C / 85°F
Atmospheric Pressure 430 to 825 mm Hg (15,000 feet)
Vibration IEC 68-2-6 and IEC 68-2-34
MIL-STD-810E
Shock IEC 68-2-27 (100g)
MIL-STD-810E
Total External Sound Level 40-45 dBa at one meter

Dealer :

Note : Specification may Change, as part of upgradation



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