



®

MEDI ELECTRONICS

... "Doctor's Convenience, Patient's Comfort"



SERVOVENT 300

V e n t i l a t o r

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एन एस आई सी
NSIC
ISO 9001 : 2008

SERVOENT 300

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**
- **Negligible Maintenance Cost**
- **Eight Modes of Ventilation**
- **Low Flow Oxygen Port**
- **High Flow Oxygen Port**
- **Dual Flow Technology**

Technical Specification

Basic Description

- Patient Type : Adult, Paediatric, Neonatal (Opt).
- Electrically Powered, Multiple Microprocessor
- Controlled Ventilator
Control Principle : Closed Loop Flow & Pressure Controller
- Ventilation Modes : Volume Controlled CMV
- Volume Controlled SIMV
- Pressure Controlled BiPAP, PRVC, SIMV, PCV
- Continuous Positive Airway Pressure (CPAP)
- HFNC

Ventilation Performance and Controlled Parameters

- Respiratory Rate 1 to 60 BPM
- Tidal Volume 50 to 1300 ml
- Inspiratory Pressure Limit 5 to 50 cm H₂O
- Inspiratory Time 0.3 to 3 seconds
- Peak Flow 120 L/min
- Oxygen Mix (FIO₂)* 21% to 100%
- PEEP 0 to 15 cm H₂O
- Trigger Sensitivity 1 to 6 L/min
- Positive Pressure Relief Valve 50 cm H₂O

Monitoring and Displayed Parameters

- Airway Pressure (Graph & Numerical)
- I:E Ratio
- Exhaled Tidal Volume
- Inspiratory Time
- Electrical Power Source (Mains/Battery)
- 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 Vte
- Oxygen Sensor Calibration Error
- Patient Disconnect
- Low/High FIO₂
- Low PIP
- Minute Volume

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 (7.8Ah) (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)
- Low Pressure Supply Up to 60 LPM 5 Cm H₂O

Note : Specification may Change, as part of upgradation.

Our Products



Air-Compressor



Digital-Tourniquet



Oxygen Monitor Handy



Oxygen Monitor



Oxygen Line Pressure Monitor



Digital Timer Switch



Bubble Cmap Machine



Neonatal Ventilator