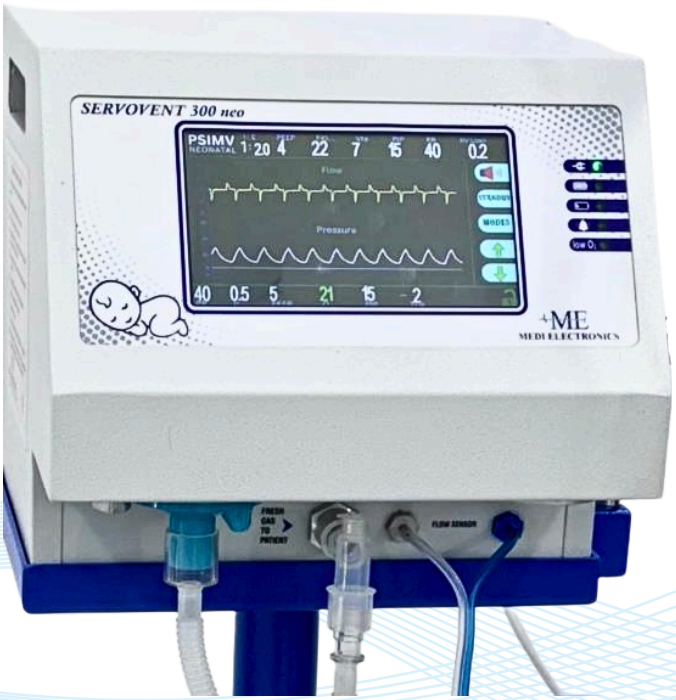
MEDI ELECTRONICS

..."Doctor's convenience, patient's comfort"

SERVOVENT 300 neo

The SERVOVENT 300 neo ® is an advanced ventilator designed specifically for neonatal care. It combines the efficiency and reliability of a **turbine-driven system** with modern ventilation modes tailored for newborns. Its **high-resolution color touch screen** and intuitive user interface focus on essential neonatal functions, ensuring simple configuration, precise control, and safe operation even for the most delicate babies.



SERVOVENT 300 neo

Salient Features

- 7 inch Colour Touchscreen
- Turbine Based
- 3 hrs Battery Backup
- Invasive / Non invasive
- CPAP / Bubble CPAP / HFNC
- Pressure Mode Ventilation
- Volume Ventilation
- Oxygen Therapy
- Air compressor not required
- For NICU / For Ambulance
- Negligible Maintenance Cost
- Easy to use / portable
- Made In INDIA

Technical Data

Ventilation Modes	• PSIMV • Bubble CPAP • VSIMV • O2 Therapy • PCMV • HFNC • VCMV • CPAP (P. support + Apnea backup)
Patient Types	**Neonatal , Paediatric**
Respiratory Rate	**10 bpm - 60 bpm**
Inspiration Time	**0.3s - 3s**
Tidal Volume	**5ml - 200ml**
Inspiratory Pressure	**8cmH_2O - 40cmH_2O**
PEEP	**1cmH_2O - 15cmH_2O**
Pressure Support	**5cmH_2O - 20cmH_2O**
Flow Acceleration	**5cmH_2O/s - 50cmH_2O/s**
O_2 Concentration	**21% - 100%**
Trigger Sensitivity	**-1cmH_2O - -6cmH_2O**
Inspiratory Termination Criterion	**5%PIF - 70%PIF**

Performance Data

Maximum Continous Inspiratory Flow	**30L/min**
Value Response Time	**< 5s**
Control Principle	**Time-cycled, Pressure-controlled, Volume-controlled, Closed loop**
Safety Valve Opening Pressure	**50 cm H_2O**
Emergency Valve	**Automatically enables spontaneous breathing with filtered ambient air ; If air & O_2 supply fail**
Leak Compensation	**Auto Adjusted up to 10L/min**

Gas Supply

Air	**Turbine Technology**
O2 Gas Supply	**3 Bar (43.5 psi) to 6 Bar (87psi)**

Displayed Measured Values

Airway Pressure Measurements	**Peak Inspiratory Pressure (PIP), Peak End Expiratory Pressure (PEEP)**
Minute Volume	**0L/min - 30L/min**
Tidal Volume	**Expiratory Vte 0ml - 300ml btps**
Total Respiratory Rate	**Total & Spontaneous Respiratory Rate (0 - 100/ml) updated in every 40s**
Inspiratory O_2 Concentration	**21% to 100% Vol.**
Curve Displays	**Paw(t) , Flow (t)**
Ventilation Ratio (I:E)	**1:1 - 1:99**

Alarms

Inspiratory O2 Concentration	**High O_2 / Low O_2 / Calibration**
Tidal Volume	**High Vte / Low Vte**
Airway Pressure	**High PIP / Low PIP**

Operating Data

Mains Power Connection	**100V - 240V, 50/60Hz**
Current Consumption	**Max. 1A at 240V-AC**
Battery	**Typically 3 hours**

Dimensions & Weight

W x H x D	**29.2cm x 27.5cm x 31.2cm**
Weight	**13.5kg**
Display Screen Size	**7" TFT Color Touchscreen**

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