

## Servonet Neo



## FEATURES:

**Simplicity of Settings:** This function in SERVOVENT NEO is better than other Ventilators, as we have used finger-touch Technology. It is a easy to use technology.

**Ventilation Ratio Monitoring:** SERVOVENT NEO allows user to monitor and control. The Inspiration time and expiration time in Milli-seconds and the ratio is always displayed continuously.

**Compact Size:** The size of SERVOVENT NEO is designed compact and can be installed in minimum possible place.

**Durability:** SERVOVENT NEO is sturdy and the body frame has longer life. The body is coated with Epoxy powder coating.

**Servo Mechanism:** Auto gas compention as per FDA guidelines. PIP pressure is precisely controlled through servo mechanism. SERVOVENT NEO is ready to ventilate within 40 seconds from switching on the machine.

**Online Gas Source Monitoring on Front Panel:** User can easily monitor available gas source pressure. This helps in monitoring the quantity of available gas source. Hence user can make provision before the available gas is exhausted completely.

**High Flow Inspiratory Gas Advantages:** This function allows attending minutest trigger occurring in neonate. Breathing circuit washes out while in exhalation phase of the ventilation. This reduces re-breathing in exhaled gas. Any small leak in breathing circuit will also compensate.

**Autoclavable Expiratory Valve:** To protect ventilator from any infection from patient SERVOVENT NEO have used user removable autoclavable expiratory valve and diaphragm.

**FiO2 Monitoring on Front Panel:** Servovent Neo monitors inspiration gas by using galvanic oxygen sensor. This allows the user to monitor the exact percentage of oxygen inhaled by the patient.

**High Pressure Gas blender:** Air and oxygen are blended by special mechanical blender and performance is monitoring by FiO2 monitor provided just above the knob.

## Technical Specification:

<b>Ventilation Mode:</b>	CMV / SIMV / CPAP
<b>Inspiratory Time:</b>	100 to 300 milli sec.
<b>CPAP/PEEP Pressure:</b>	0 to 15 CmH2O
<b>Inspiratory Pressure:</b>	5 to 60 CmH2O
<b>FiO2:</b>	21% to 100
<b>BPM:</b>	1 to 150
<b>I:E Ratio:</b>	11.2:1 to 1:600
<b>Pressure Monitor Real-time Pressure Measurement:</b>	Resolution 1CmH2O
<b>Sampling Time:</b>	2 ms
<b>FiO2:</b>	21% to 100

<b>Peak Pressure:</b>	0 to 80 CmH2O / Resolution 1 CmH2O
<b>PEEP Pressure</b>	0 to 20 CmH2O
<b>User Settable Alarms:</b>	-
<b>High Pressure Range:</b>	5 to 90 CmH2O
<b>Low Pressure Range</b>	0 to 20 CmH2O
<b>System Alarms:</b>	
<b>Low Air Supply:</b>	Value Also Displayed On Screen.
<b>High Air Supply:</b>	Value Also Displayed On Screen.
<b>Low O2 Supply:</b>	Value Also Displayed On Screen.
<b>High O2 Supply:</b>	Value Also Displayed On Screen.
<b>Cycle fail in all methods:</b>	-
<b>Low FiO2, High FiO2:</b>	-
<b>Apnea Time:</b>	Only active in CPAP mode
<b>Power requirments</b>	
<b>Voltage:</b>	100-250 V / 50-60 Hz.
<b>Power:</b>	50W
<b>Battery Back-Up:</b>	45-60 minutes (Dependent on mode of operation).
<b>Battery Charging:</b>	Full Charge 24 hours, 80% charge after 8 hour.
<b>Air and O2 Input Pressure:</b>	3-5 Bar
<b>Fresh Gas Flow:</b>	12 liters/min
<b>Maximum Gas Flow:</b>	20 liters/min.

---

<b>Dimensions Size:</b>	28cm W x 30cm H x 28cm D(Only ventilator).
<b>Height On Stand:</b>	120cm
<b>Weight Ventilator Only:</b>	13 kg.