



Biomedical Equipments **SAFEVENT SP-100 VENTILATOR**



The NRTC Portable Ventilator is artificial respiration device which can provide continuous or Intermittent ventilation support for patients who need invasive or non-invasive mechanical ventilation and designed for long-term mechanical ventilation in the treatment of chronic respiratory failure, especially used in chest wall and neuromuscular diseases. Ventilators are portable devices that are produced to support patients who need artificial respiration at home and in other living spaces.

- **A-PC-** Assisted Pressure Controlled Ventilation
- **PC-** Pressure Controlled Ventilation
- **SIMV-PC** – Pressure Controlled Ventilation with Synchronized Intermittent Mandatory Ventilation
- **A-VC-** Assisted Volume Controlled Ventilation
- **VC-** Volume Controlled Ventilation
- **SIMV-VC-** Volume Controlled Ventilation with Synchronized Intermittent Mandatory Ventilation
- **CPAP/PSV** – Continuous Positive Airway Pressure/Pressure Support Ventilation
- **PRVC-** Pressure Regulated Volume Control
- **A-PRVC** – Assisted Pressure Regulated Volume Control
- **BiPAP ST-** Bilevel Positive Air way Pressure
- **HFO-** High Flow Oxygen



Biomedical Equipment

SAFEVENT

SP-100 VENTILATOR



TECHNICAL SPECIFICATION

SafeVent SP-100

| | |
|----------------------|---|
| Ventilation Modes | A-PC,A-VC,SIMV-PC,SIMV-VC,PC,VC,CPAP/PSV, PRVC,APRVC,BiPAP ST,HFO |
| Breathing Circuit | Dual Limb |
| PEEP | 0-30 cmH20 1. Peep High/Peep Low 2, FiO2 High/FiO2 Low |
| Rise Time | 1-9 |
| Inspiratory Trigger | 1-5 |
| Inspiratory Time | 0.3-5s |
| Breath Rate | 4-40 bpm |
| Inspiratory Pressure | 4-50 cmH20 |
| Tidal Volume | 50-3000 mL |
| Oxygen | Flowmetre or Oxygen Concentrator inlet, FiO2 rate showed in the display |
| Alarms | High Pressure, Low Pressure, ApneaTime, Mains Voltage, Internal Battery, High Tidal, High Minute Volume, Low Minute Volume, Patient Connection, High BPM, Low BPM |
| Apnea Time | 0-60 s |
| Display | 7.5 inch Colored Touchscreen |
| Battery | 16.8 Volt, 2.5 A, 42W Battery, upto 8 hours using time |
| Adjustment | Via Coloured Touchscreen and Rotary Button |
| Classification | II |
| Physical Specs | Weight: 4.6 Kg Dimension: 33x33x18 cm |



NATIONAL RADIO AND TELECOMMUNICATION CORPORATION
Haripur – Pakistan

Tel: +92-995-611382, 666611, 666627, Fax: +92-995-610933

Email: marketing@nrtc.com.pk

Website: www.nrtc.com.pk