S1100 ICU Ventilator

- ✓ **Friendly**
- ✓ **Powerful**
- ✓ **Reliable**

1. Application：

The ventilator is suitable for various kinds of medical institutions for cardiopulmonary resuscitation respiratory support. Acute respiratory failure caused by various reasons or incomplete oxygenation dysfunction. Intra-operation, post-operation respiratory support, other respiratory treatment.

2. Trust Points

(1) Simplicity: easy to use, easy to move with 4 wheels.

(2) Choice: adapt the equipment to your patients and procedures freely

(3) Patient Centered Ventilation: Precision in an anesthesia ventilator, from conventional ventilation to advanced modes, including 8 modes: IPPV; A/C; PCV; SIMV; SPONT/CPAP;PSV;SIGH;MANU.

(4) Designed and manufactured by Superstar Medical with over 23 years experience in this area.

(5) Flexible configurations to suit your needs.

(6) International standard and advanced technology suitable for wide range use.

(7) Compact interface and big screen give you better operating experience.

(8) Over 2,000 units installed in the world.

3. Features

(1) 12.1” TFT LCD screen displays the Ventilation parameters, Alarming information and Waveform.

(2) Recycle breathing pipe, ensure easy operating and keep tidy.

(3) Multiple working modes such as volume control and pressure limit, adapt to wide range patient.

(4) Vaporizer with temperature, flow compensation and self-lock function, keep safety anytime.

(5) Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects;

(6) Real time pressure-time, flow-time loop graphics and high precision O2 concentration detection function included.

(7) Stable and low noise air compressor, create quiet work environment for doctors.

4. Safety

(1) Three level alarming system, visual and sound alarm information.

(2) With lots of alarming, reminding and protection functions.

(3) Advanced power management control technology.

(4) With built-in backup power source, when outside power source goes off, back-up power source starts to work.

(5) Self-check before running, eliminate system mistake.

(6) Separate design of electric and gas, keep safety running of ventilator.

5. Specifications

Ventilation modes:	IPPV, A/C, PCV, SIMV, SPONT/CPAP, PSV, SIGH, MANU
Ventilator parameter ranges	
Tidal volume(Vt)	0 ～ 2000mL
Frequency (Freq) Oxygen concentration	1bpm ～ 100 bpm 21%-100%
I/E	4:1～1:8
PEEP	0cmH2O ～ 40 cmH2O
Pressure Limit	20 cmH2O ～ 100 cmH2O
Monitored Parameters	
Frequency (Freq)	0 /min ～ 100 /min
Tidal volume(Vt)	0 mL ～ 2500 mL
Oxygen concentration	15 % ～ 100 %
Oscillographs display	
P-T(pressure – time)	
F-T(flow – time)	
P-V loop (pressure – volume loop)	
Size 1st Wooden case packing size（main engine）： L560*W 560*H 605mm , GW：35KG ; NW：17KG 2nd Wooden case packing size（air compressor）： L670*W700*H 1160 mm , GW：79KG ; NW：46.2KG	
Alarm and protection	
The AC power failure alarm	Power failure or no connection

Internal battery backup low voltage alarm	≤11.3±0.3V
No tidal volume	No tidal volume within 6s
High Minute Volume alarm LowMinute Volume alarm	5L/min-99L/min 1L/min-30L/min
High Airway pressure alarm Low Airway pressure alarm High oxygen concentration alarm Low oxygen concentration alarm	20cmH2O-100cmH2O 0cmH2O-20cmH2O 19%-100% 18%-99%
Continuous pressure alarm	(PEEP+1.5cmH2O) over 16s
Suffocation warning Fan error Oxygen deficit	5-60s Show on screen Show on screen
The maximum limited pressure	＜12.5 kPa
Working conditions	
Gas source	O2,AIR
Pressure	280kPa-600kPa
Voltage	-220V±22V
Power frequency	50Hz±1Hz
Input power	900VA(with air compressor) 250VA(without air compressor)