

Technical Specification

Ventilation mode

PRVC, APRV, DUOLEVEL, V-SIMV, P-SIMV, IPPV, A/C, PCV, PSV, SPONT/CPAP, SIGH, MANUAL

Ventilator parameter

Tidal volume (Vt)	20 ~ 2000 mL
Frequency (Freq)	1 /min ~ 100 /min
Oxygen concentration	21 % ~ 100 %
I:E	4 : 1 ~ 1 : 8
PEEP	0 cmH ₂ O ~ 40 cmH ₂ O
Pressure limit	20 cmH ₂ O ~ 100 cmH ₂ O

Monitoring parameter

Frequency (Freq)	0 /min ~ 100 /min
Tidal volume (Vt)	20 mL ~ 2500 mL
MV	0 L/min ~ 99 L/min
Airway pressure	0 cmH ₂ O ~ 100 cmH ₂ O
Dynamic lung compliance monitoring	1 mL/cmH ₂ O ~ 1000 mL/cmH ₂ O
ETCO ₂ Concentration	0 mmHg ~ 152 mmHg (0%-20%)
Oxygen concentration	15 % ~ 100 %

Oscillogram

P-T (Pressure-Time), F-T (Flow-Time), V-T (Volume-Time), ETCO₂-T (End-Tidal CO₂-Time), P-V Loop (Pressure-Volume Loop), F-V Loop (Flow-Volume Loop), P-F Loop (Pressure-Flow Loop)

Alarm and protection

The AC power failure alarm	Power failure or no connection
Internal battery backup low voltage alarm	≤ 11.3 ± 0.3 V
No tidal volume	No tidal volume within 6 s
High minute volume alarm	5 L/min ~ 99 L/min
Low minute volume alarm	1 L/min ~ 30 L/min
High airway pressure alarm	20 cmH ₂ O ~ 100 cmH ₂ O
Low airway pressure alarm	0 cmH ₂ O ~ 20 cmH ₂ O
High oxygen concentration alarm	19 % ~ 100 %
Low oxygen concentration alarm	18 % ~ 99 %
Continuous pressure alarm	(PEEP + 1.5 cmH ₂ O) over 16s
Suffocation warning	5 ~ 60 s
Fan error	Show on screen
Oxygen deficit	Show on screen
The maximum limited pressure	< 12.5 kPa

Working condition

Gas source	O ₂ , AIR
Pressure	280 kPa - 600 kPa
Voltage	220 V ± 22 V
Power frequency	50 Hz ± 1 Hz
Input power	900 VA (With air compressor) 250 VA (Without air compressor)

Wooden case packing size

Main engine:	506 * 566 * 615 mm
G.W. :	43 KG, N.W. : 22 KG
Air compressor:	683 * 687 * 1140 mm
G.W. :	105KG, N.W. : 70 KG

Other models for your reference :



S1100A



S1100



S1600

The picture is for reference only. For more information, please contact Superstar Medical sales representatives.

Cherish your life, Cherish your health!

S1100 B ICU VENTILATOR

ADULT · PEDIATRIC

Friendly Powerful Reliable



Commitment & Experience Guarantee Our Performance

S1100 B ICU Ventilator

Friendly interface

- 15" TFT touch screen displays the ventilation parameters, alarming information and oscillograms, make every operation more easily.
- 14 types of sound and visual alarming information, easier for users to do some troubleshooting.
- 5 oscillograms for your choice, 3 of them can be displayed on the screen at the same time.



Hanger

Adjust the angle and position from three points, simple and flexible.



Oxygen sensor

Built-in oxygen concentration sensor, ensure stable precision of oxygen concentration.



Breathing circuit

High temperature resistance breathing pipelines is reusable and anti-pollution.



Caster

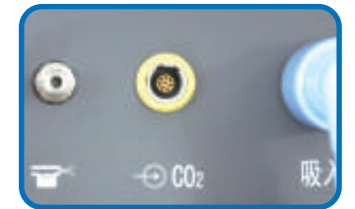
Easy to move with 4 casters, easy to stop with 2 brakes.

Application

The ventilator makes a good performance in operation room, ICU department and emergency treatment. It used to assist or replace the spontaneous breathing for adult and pediatric more than 2kgs. 23 years of experience in Market-oriented ventilator make us professional and reliable, satisfy all your need in ventilation. Due to the flexible configuration, good quality and competitive price, the S1100B has soon become the superstar of market.

ETCO₂ sensor

ETCO₂ module is standard configuration for this machine



Nebulization function

Make medicine into small liquid and particle, easier and quicker for patient to breathe in.



Humidifier

- Heat and wet breathing gas, makes it more comfortable for patient to breathe in.
- 3 types of humidifier for your choices: one with thermometer for standard, one with digital shown for option, another one has dual pipeline heating function and servo control function for option.



Air compressor

- Automatic detection and switch of central gas, cylinder gas supply or air compressor.
- Make low noise, create quiet environment for doctors and patients.
- Longer service life and waterproof material.
- Digital show for parameters, easier and clearer for users know real-time condition.



Features

- Multiple ventilation modes, suitable for ICU, emergency department and operation room etc: (PRVC, APRV, DUOLEVEL, V-SIMV, P-SIMV, IPPV, A/C, PCV, PSV, SPONT/CPAP, SIGH, MANUAL).
- Pressure and flow dual triggering mechanism make patient breathe better and more comfortable.
- Rapid oxygen supply, automatically offer high flow rate oxygen within two minutes.
- Pressure-Time, Flow-Time, Volume-Time, ETCO₂-Time oscillogram, real-time display the condition of patient in all respects.

- Separate design of electronic circuit and gas flow rate keep safe running of ventilator.
- Compact long life internal battery can provide emergency power, avoid risk of patient.
- 3 level alarming system display overall condition of machine, easier for users to find and solve problems according to indication.
- Oscillogram freezing and recovery offer doctors a better understanding of the real-time situation for patient.
- Self-check before operation, ensure every part of machine is in good condition.