

TECHNICAL SPECIFICATION

Ventilation mode

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

Ventilator parameter range

Tidal volume (Vt)

0, 20 ~ 2000 mL

Frequency (Freq)

1 min ~ 100 min

Oxygen concentration

21 % ~ 100 %

I:E

4 : 1 ~ 1 : 8

PEEP

0 cmH₂O ~ 40 cmH₂O

Pressure triggering sensitivity (Ptr)

-20 cmH₂O ~ 0 cmH₂O (Based on PEEP)

Flow trigger sensitivity (Ftr)

0.5 L/min ~ 30 L/min

Pressure control (PC)

5 cmH₂O ~ 80 cmH₂O

Pressure support (PS)

0 cmH₂O ~ 80 cmH₂O

SIGH

0 (off) 1/100 ~ 5/100

Apnea ventilation

OFF, 5 s ~ 60 s

Pressure limit

20 cmH₂O ~ 100 cmH₂O

Wooden case packing size

Main engine: L 560 * W 560 * H 615 mm

G.W.: 40 KG N.W.: 22 KG

Air compressor: L 685 * W 690 * H 1140 mm

G.W.: 100 KG N.W.: 65 KG

Working condition

Gas source

O₂, 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)

Monitoring parameter

Frequency (Freq)

0 / min ~ 100 / min

Tidal volume(Vt)

0 mL ~ 2500 mL

MV

0 L/min ~ 99 L/min

Airway pressure

0 cmH₂O ~ 100 cmH₂O

Dynamic lung compliance testing

1 mL/cmH₂O ~ 1000 mL /cmH₂O

Oxygen concentration

15 % ~ 100 %

Oscillogram

P-T(Pressure-Time)

F-T(Flow-Time)

V-T(Volume-Time)

P-V Loop(Pressure-Volume Loop)

F-V Loop(Flow-Volume Loop)

P-F Loop(Pressure-Flow Loop)

Alarm and protection

AC power failure alarm

Power failure or no connection

Internal backup battery 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 cmH₂O ~ 100 cmH₂O

Low airway pressure alarm

0 cmH₂O ~ 20 cmH₂O

High oxygen concentration alarm

19 % ~ 100 %

Low oxygen concentration alarm

18 % ~ 99 %

Continuous pressure alarm

(PEEP + 1.5 cmH₂O) over 16s

Suffocation warning

5 ~ 60 s

Fan error

Show on screen

Oxygen deficit

Show on screen

The maximum limited pressure

< 12.5 kPa



Commitment & Experience Guarantee Our Performance

S1100 ICU VENTILATOR



S1200



S1500



S1600

Other models for your reference

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



S1100 ICU VENTILATOR

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 pediatric and neonatal patient. 25 years experience in Market-oriented ventilator make us professional and reliable, satisfying all your needs in ventilation. Due to the flexible configuration, good quality and competitive price, S1100 has soon become the superstar of market.



Friendly interface

- 15" TFT LCD screen display screen saver mode.
- 14 types of alarm and protection function.
- 3 of 5 oscillographs can be displayed on the screen at the same time.
- 2 minutes fast oxygen supply.



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.

Caster

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



Breathing circuit

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

Oxygen concentration sensor



Features

- 15" TFT touch screen displays the ventilation parameters, alarm information, and oscillograms, make every operation more easily.
- Multiple ventilation modes, suitable for ICU, emergency department and operation room etc: (PRVC, APRV, DUOLEVEL, V-SIMV, P-SIMV, V-A/C, V-A/C, IPPV, PCV, PSV, SPONT/CPAP, SIGH, MANUAL).
- 5 oscillograms for your choice, 3 of them can be displayed on the screen at the same time.
- Humidifier can heat and wet breathing gas, makes it comfortable for patient to breathe.
- Rapid oxygen supply automatically offer high flow rate oxygen within two minutes.
- Nebulization make medicine into small liquid and particle, easier and quicker for patient to breathe in.
- High temperature resistance breathing circuit is reusable and anti-pollution.

Safety

14 types of sound and visual alarm information, easier for users to do some error checking and troubleshooting. Built-in oxygen concentration sensor, ensure stable precision of oxygen concentration. Easy to move with four casters, easy to stop with two brakes. 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. Self-check before operation, eliminate system mistake.