

Cherish your life, Cherish your health!

## Technical Specifications

### Ventilation modes

IPPV, A/C, PCV, SIMV, SPONT/CPAP, PSV, SIGH, MANU

### Ventilator parameter ranges

Tidal volume (Vt)	0 ~ 2000 mL
Frequency (Freq)	1 bpm ~ 100 bpm
Oxygen concentration	21 % ~ 100 %
I/E	4 : 1 ~ 1 : 8
PEEP	0 cmH <sub>2</sub> O ~ 40 cmH <sub>2</sub> O
Pressure limit	20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Pressure triggering sensitivity (PTR)	-20 cmH <sub>2</sub> O ~ 0 cmH <sub>2</sub> O (Based on PEEP)
Flow triggering sensitivity (FTr)	0.5 cmH <sub>2</sub> O ~ 30 cmH <sub>2</sub> O
SIGH	0 (off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5 s ~ 60 s

### Monitored parameters

Frequency (Freq)	0/min ~ 100/min
Tidal volume (Vt)	0 mL ~ 2500 mL
MV	0 L/min ~ 99 L/min
Airway pressure	0 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Dynamic lung compliance monitoring	1 mL/cmH <sub>2</sub> O ~ 1000 mL/cmH <sub>2</sub> O
Oxygen concentration	15 % ~ 100 %

### Wooden case packing size

Main components: L 560 \* W 560 \* H 605 mm

G.W. : 35 KG, N.W. : 17 KG

Air compressor: L 670 \* W 700 \* H 1160 mm

G.W. : 79 KG, N.W. : 46.2 KG

### Alarm and protection

The AC power failure alarm	Power failure or no connection
Internal backup battery low voltage alarm	$\leq 11.3 \pm 0.3$ 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 <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Low airway pressure alarm	0 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> O
High oxygen concentration alarm	19 % ~ 100 %
Low oxygen concentration alarm	18 % ~ 99 %
Continuous pressure alarm	(PEEP + 1.5 cmH <sub>2</sub> 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 conditions

Gas source	O <sub>2</sub> , AIR
Pressure	280 kPa - 600 kPa
Voltage	220 V $\pm$ 22 V
Power frequency	50 Hz $\pm$ 1 Hz
Input power	900 VA(With air compressor) 250 VA(Without air compressor)

### Oscillographs display

P - T (Pressure - time)
F - T (Flow - time)
P - V loop (Pressure - volume loop)



S1100



S1200



S1600

# S1100 ICU Ventilator

ADULT · PEDIATRIC

*Friendly Powerful Reliable*



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# S1100 ICU Ventilator

## 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 and post-operation respiratory support, and other respiratory treatments.

## Features

- 12.1" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- Recyclable silicon breathing circuit, ensure easy operating and keep hygiene.
- Multiple working modes such as volume control and pressure limit, adapt to wide ranges of patients.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Real time pressure-time, flow-time and pressure volume loop oscillographs and high precision oxygen concentration detection function included.
- Stable and low noise air compressor, create quiet work environment for doctors.

## Safety

- Three levels alarm system, come with visual and audible alarm information.
- With lots of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provides the emergency power supply to the unit.
- Self-check before running, eliminate system mistake.
- Separate design of electric and gas, keep safe running of ventilator.

14 types of alarm and protection function

Parameters monitoring

Parameters setting

12.1" TFT LCD screen display, screen saver mode

2 minutes fast oxygen supply

2 of 3 oscillographs can be displayed on the screen at the same time

Nebulization function

Oxygen concentration sensor

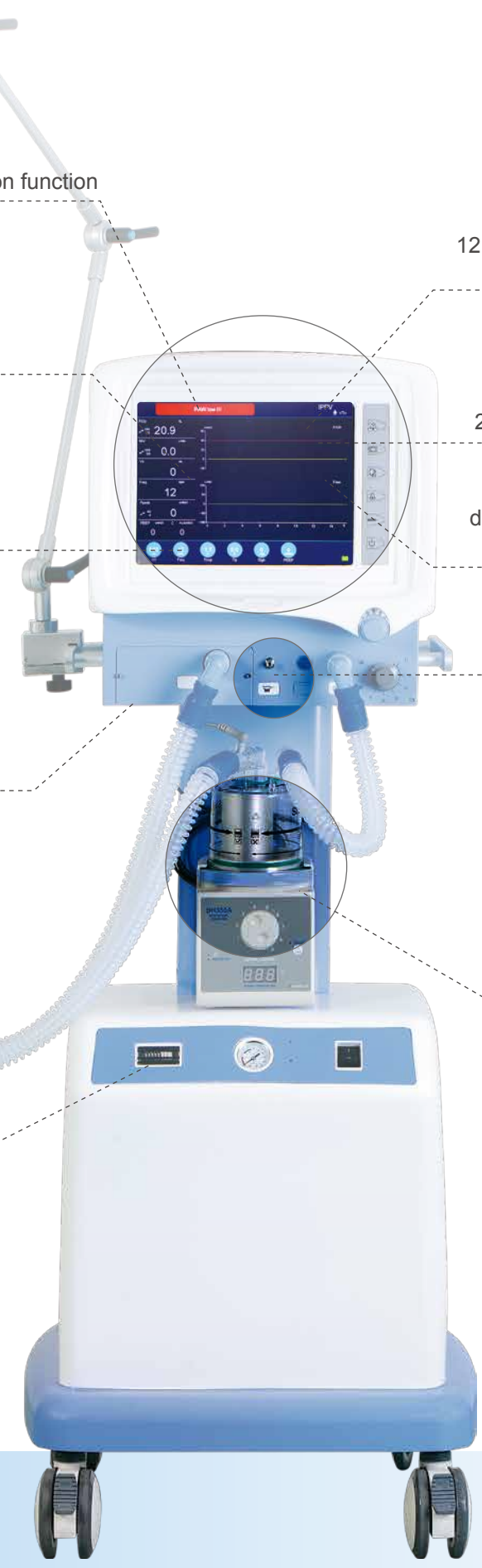
Total working time

Display continuous working hours for the air compressor

Humidifier Heating and wetting, real-time temperature display

Friendly Powerful Reliable

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## Technical Specifications

### Ventilation modes

IPPV, A/C, PCV, SIMV, SPONT/CPAP, PSV

### Ventilator parameter ranges

Tidal volume (Vt)	0 ~ 2000 ml
Frequency (Freq)	1 bpm ~ 100 bpm
Oxygen concentration	21 % ~ 100 %
I / E	4 : 1 ~ 1 : 8
PEEP	0cmH <sub>2</sub> O ~ 40 cmH <sub>2</sub> O
Pressure triggering sensitivity (Ptr)	-20 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> O (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min ~ 30 L/min
Pressure control (PC)	5 cmH <sub>2</sub> O ~ 80 cmH <sub>2</sub> O
Pressure support (PS)	0 cmH <sub>2</sub> O ~ 80 cmH <sub>2</sub> O
SIGH	0 (off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5 s ~ 60 s
Pressure limit	20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O

### Monitored parameters

Frequency (Freq)	0 / min ~ 100 / min
Tidal volume(Vt)	0 ml ~ 2500 ml
MV	0 L/min ~ 99 L/min
Airway pressure	0 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Dynamic lung compliance testing	1 ml /cmH <sub>2</sub> O ~ 1000 ml /cmH <sub>2</sub> O
ETCO <sub>2</sub> concentration	0 mm Hg ~ 152 mmHg (0 % ~ 20 %)
Oxygen concentration	15 % ~ 100 %

### Wooden case packing size

Main components: L 560 \* W 560 \* H 605 mm  
 G.W. : 35 KG, N.W. : 17 KG  
 Air compressor: L 670\* W 700 \* H 1160 mm  
 G.W. : 79 KG, N.W. : 46.2 KG

### 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 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Low airway pressure alarm	0 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> O
High oxygen concentration alarm	19 % ~ 100 %
Low oxygen concentration alarm	18 % ~ 99 %
Continuous pressure alarm	(PEEP + 1.5 cmH <sub>2</sub> O) over 16 s
Suffocation warning	5 ~ 60 s
Fan error	Show on screen
Oxygen deficit	Show on screen
The maximum limited pressure	< 12.5 kPa

### Working conditions

Gas source	O <sub>2</sub> , 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)

### Oscillographs display

P - T (Pressure - time)  
 F - T (Flow - time)  
 P - V loop (Pressure - volume loop)  
 V - T (Volume - time )  
 ETCO<sub>2</sub> - T (End-tidal CO<sub>2</sub> - time)



Cherish your life, Cherish your health!



# S1200 ICU Ventilator

ADULT · PEDIATRIC

*Friendly Powerful Reliable*



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# S1200 ICU Ventilator

## 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 and post-operating respiratory support, and other respiratory treatments.

## Features

- 15" TFT LCD touch screen displays the ventilation parameters, alarm information and oscillographs. Touch screen makes the operation more simple.
- Air compressor runs stably with low noise, creates quiet environment for doctors and patients.
- Recyclable silicon breathing circuit, ensure easy operation and keep tidy.
- Multiple working modes such as volume control and pressure limit, adapt to wide ranges of patients.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Real time pressure-time, flow-time, volume-time, ETCO<sub>2</sub> (End-tidal CO<sub>2</sub> - time), pressure volume loop oscillographs, and high precision oxygen concentration detection function included.
- Electronic PEEP control.
- Breathing valve can be disassembled and disinfect.

## Safety

- Three levels alarm system, come with visual and audible alarm information.
- With lots of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provides the emergency power supply to the unit.
- Self-check before running, eliminate system mistake.
- Separate design of electric circuit and gas flow route, keep safe running of ventilator.

14 types of alarm and protection function

3 of 5 oscillographs can be displayed on the screen at the same time

15" TFT LCD screen display screen saver mode

2 minutes fast oxygen supply

Parameters monitoring

Nebulization function

Parameters setting

Oxygen concentration sensor

Total working time

Display continuous working hours for the air compressor

Humidifier Heating and wetting, real-time temperature display

Friendly Powerful Reliable



Cherish your life, Cherish your health!

## Technical Specifications

### Ventilation modes

IPPV, A/C, SIMV, SPONT/CPAP, MANU

### Ventilator parameter ranges

Tidal volume (Vt)	0, 20 mL ~ 1500 mL
Frequency (Freq)	1 bpm ~ 100 bpm
I/E	4 : 1 ~ 1 : 8
Oxygen concentration	45 % ~ 100 %
PEEP	0 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> O
Pressure triggering sensitivity (PTR)	-20 cmH <sub>2</sub> O ~ 0 cmH <sub>2</sub> O (Based on PEEP)
SIGH	0 (off) 1 / 100 ~ 5 / 100
Apnea ventilation	OFF, 5 s ~ 60 s

### Monitored parameters

Frequency (Freq)	0/min ~ 100/min
Tidal volume (Vt)	0 mL ~ 2000 mL
MV	0 L/min ~ 99 L/min
Airway pressure	0 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Oxygen concentration	15 % ~ 100 %

### Wooden case packing size

Main components: L 560 \* W 560 \* H 615 mm  
 G.W. : 35 KG, N.W. : 17 KG  
 Trolley: L 650 \* W 690 \* H 520 mm  
 G.W. : 38 KG, N.W. : 18 KG

### Alarm and protection

The AC power failure alarm	Power failure or no connection
Internal backup battery low voltage alarm	< 11.3 ± 0.3V
No tidal volume	No tidal volume within 6 s
High oxygen concentration alarm	19 % ~ 100 %
Low oxygen concentration alarm	18 % ~ 99 %
High airway pressure alarm	20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Low airway pressure alarm	0 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> O
High minute volume alarm	1 L/min ~ 99 L/min
Low minute volume alarm	0 L/min ~ 20 L/min
Continuous pressure alarm	(PEEP + 1.5 kPa) over 16 s
Suffocation warning	5 s ~ 60 s no spontaneous ventilation

### Working conditions

Gas source	O <sub>2</sub>
Pressure	280 kPa ~ 600 kPa
Voltage	220 V ± 22 V
Power frequency	50 Hz ± 1 Hz
Input power	40 VA

### Oscillographs display

P - T (Pressure - Time)  
 F - T (Flow - Time)



S1100



S1200



S1600



## S1600 ICU Ventilator

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# S1600 ICU Ventilator

## 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 and post-operation respiratory support, and other respiratory treatment.

## Features

- 10.4" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- Recyclable silicon breathing circuit, ensure easy operating and keep hygiene.
- Multiple working modes such as volume control and pressure limit, adapt to wide ranges of patients.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Real time pressure-time, flow-time oscillographs and high precision oxygen concentration detection function included.

## Safety

- Three levels alarm system, come with visual and audible alarm information.
- With lots of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provides the emergency power supply to the unit.
- Self-check before running, eliminate system mistake.
- Separate design of electric and gas, keep safe running of ventilator.

11 types of alarm and protection function

10.4" TFT LCD screen display, screen saver mode

Two types of oscillographs

2 minutes fast oxygen supply

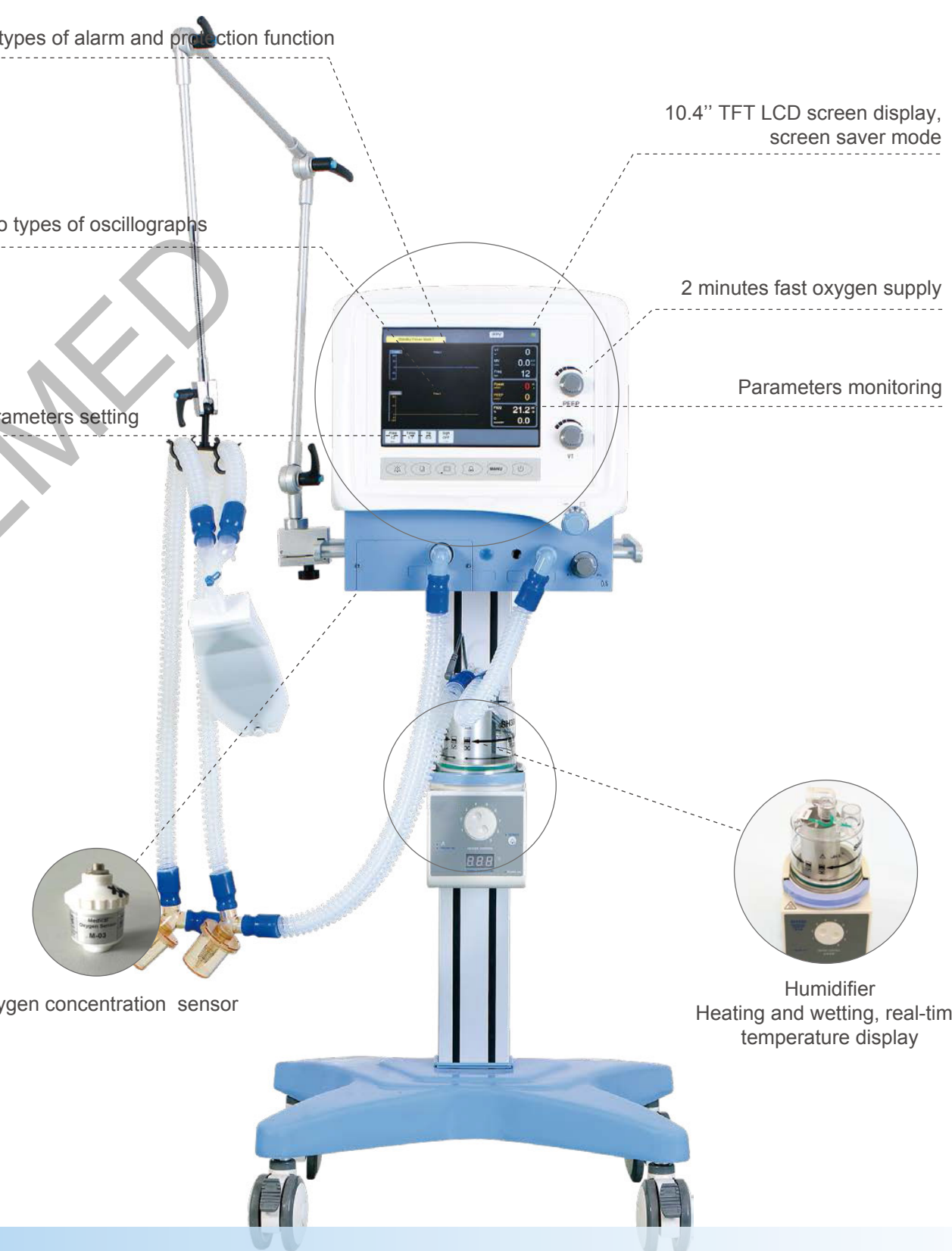
Parameters setting

Parameters monitoring

Oxygen concentration sensor

Humidifier  
Heating and wetting, real-time temperature display

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