

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 ₂ O ~ 40 cmH ₂ O
Pressure limit	20 cmH ₂ O ~ 100 cmH ₂ O
Pressure triggering sensitivity (Ptr)	-20 cmH ₂ O ~ 0 cmH ₂ O (Based on PEEP)
Flow triggering sensitivity (FTr)	0.5 cmH ₂ O ~ 30 cmH ₂ 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 ₂ O ~ 100 cmH ₂ O
Dynamic lung compliance monitoring	1 mL/cmH ₂ O ~ 1000 mL/cmH ₂ 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 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 conditions

Gas source	O ₂ , 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)

Cherish your life, Cherish your health!



S1100 ICU Ventilator
ADULT · PEDIATRIC
Friendly Powerful Reliable



S1100



S1200



S1600

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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.

Friendly Powerful Reliable

