



Technical Specification

Ventilation mode

Invasive ventilation mode:	P-SIMV, PCV, P-A/C, CPAP+, APRV +, BIPPV +, PRVC, PRVC +, IPPV, V-A/C, V-SIMV
Non-invasive ventilation mode:	P-SIMV, PCV, P-A/C, CPAP, CPAP+, BIPPV, BIPPV +, APRV, APRV +
Emergency ventilation mode:	P-SIMV, V-SIMV
Asphyxia ventilation mode:	P-SIMV, V-SIMV
Pre-oxygenation ventilation mode:	Preoxy

Alarm and protection

High tidal volume alarm
Low tidal volume alarm
High respiratory rate alarm
Low respiratory rate alarm
High airway pressure alarm
Low airway pressure alarm
High positive end-expiratory pressure (PEEP) alarm
High end-tidal carbon dioxide (EtCO ₂) alarm
Low end-tidal carbon dioxide (EtCO ₂) alarm
Carbon dioxide module disconnected alarm
High oxygen concentration alarm
Low oxygen concentration alarm
Oxygen sensor disconnected alarm
Low oxygen supply pressure alarm
High oxygen supply pressure alarm
Asphyxiation alarm
Disconnection alarm
Flow sensor and tubing disconnected alarm
Backup power operation alarm
Low battery alarm
No battery alarm

Packing size

Main components: L 560 * W 560 * H 615 mm
G.W. : 30 KG, N.W. : 16 KG

Oscillogram

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

Ventilator parameter

Tidal volume	Setting range: 10 mL ~ 2000 mL Monitoring range: 0 ~ 3000 mL
Minute ventilation	0 ~ 120.0 L / min
Apnea ventilation	4s ~ 60s
Maximal inspiratory flow rate	Maximum inspiratory flow rate is 100 L / min
Breathing frequency	Setting range: OFF, 1 ~ 60 / min Monitoring range: 0 ~ 120 / min
Inspiratory duration	1s ~ 59s
Expiratory trigger sensitivity	4.0:1 ~ 1:4.0
Inhalation platform	OFF, 5%Ti ~ 50%Ti
Airway pressure monitoring	0 ~ 100 mbar
Pressure limitation	3 ~ 65 mbar
Inhale pressure	3 ~ 61 mbar
Pressure support	OFF, 1 mbar ~ 30 mbar
Platform pressure	0 ~ 100 mbar
Average pressure	0 ~ 100 mbar
Positive end-tidal pressure	Setting range: OFF, 1 mbar ~ 30 mbar Monitoring range: 0 ~ 100 mbar
Inspiratory flow triggers sensitivity	OFF, 1 L/min ~ 15 L / min
Expiratory trigger sensitivity	5% ~ 50% of the maximum suction flow rate
Inspired oxygen concentration	40 vol.% ~ 100 vol.% Monitoring range: 15 vol.% ~ 100 vol.%
ETCO ₂ monitoring	0 ~ 150 mmHg

Monitoring parameter

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

Interface

RS-232 interface (transfer physiological parameters)
RJ 45 interface (oxygen connection battery)
USB interface (upgrade program)

HF-ST1

Emergency & Transport Ventilator

Friendly Powerful Reliable

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Features

- 7" TFT touch screen displays the ventilation parameters, alarm information, and oscillograms, make every operation more easily ensuring easy visibility and intuitive operation.
- Multiple ventilation mode can meet different clinical requirements (BiLevel + ASB, PCV, aPCV, CPAP + ASB, PRVC + ASB, IPPV, S-IPPV, SIMV + ASB;)
- Multiple parameters monitoring interface,make every parameter clear for users to know patient condition in all respects.
- Pressure-Time,Flow-Time oscillograms and high precision oxygen concentration detection function included.
- Rapid oxygen supply,automatically offer high flow rate oxygen within two minutes
- High temperature resistance breathing circuit is reusable and anti-pollution.
- Large, highly visible alarm lights, providing immediate visual alerts for enhanced patient safety.
- Convenient USB interface, facilitating seamless data transfer and connectivity for comprehensive monitoring.
- With rechargeable lithium Li-ion battery, offering reliable and long-lasting performance for extended use.
- User-friendly operation, enabling healthcare professionals to navigate settings and functions with ease.

HF- ST1 Emergency & Transport Ventilator

Application

The Emergency & Transport Ventilator demonstrates exceptional performance not only in pre-hospital treatment but also during secondary transport within operation rooms, ICU departments, and emergency treatment areas. Its seamless transition capabilities and steadfast support during patient transport ensure uninterrupted respiratory assistance during critical moments. With over 25 years of experience in the market-oriented ventilator industry, we have established a reputation for professionalism and reliability, consistently meeting all ventilation needs with precision. The ST1 model, celebrated for its flexible configuration, superior quality, and competitive pricing, has swiftly emerged as the market's leading choice.



Safety

- 14 types of sound and visual alarm information, easier for users to do some error checking and troubleshooting.
- Separate design of pneumatic electronic control (venturi air supply) 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.