HF-S1100
「PATIENT MONITOR」

HF-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 have dual pipeline heating function and servo control function for option.

Air compressor

Automatic detection and switch of central gas, cylinder gas sup Make low noise, create quiet environment for doctors and patien ply or air compressor.ts.
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.

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 cmH_2O ~ 40 cmH_2O
Pressure triggering sensitivity (Ptr)	-20 cmH_2O ~ 0 cmH_2O (Based on PEEP)
Flow trigger sensitivity (Ftr)	0.5 L/min ~ 30 L/min
Pressure control (PC)	5 cmH_2O ~ 80 cmH_2O
Pressure support (PS)	0 cmH_2O ~ 80 cmH_2O
SIGH	0 (off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5 s ~ 60 s
Pressure limit	20 cmH_2O ~ 100 cmH_2O

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 cmH_2O ~ 100 cmH_2O
Dynamic lung compliance monitoring	1 mL/cmH_2O ~ 1000 mL/cmH_2O
Oxygen concentration	15 % ~ 100 %

Wooden case packing size

Main engine: L 560 * W 560 * H 615 mm	
G.W.: 32 KG	N.W.: 19 KG
Air compressor: L 685 * W 690 * H 1140 mm	
G.W.: 98KG	N.W.: 63 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_2O ~ 100 cmH_2O
Low airway pressure alarm	0 cmH_2O ~ 20 cmH_2O
High oxygen concentration alarm	19 % ~ 100 %
Low oxygen concentration alarm	18 % ~ 99 %
Continuous pressure alarm	(PEEP + 1.5 cmH_2O) 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)

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)

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: (P RVC, 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 quickier for patient to breathe in.
- High temperature resistance breathing circuit is reusable and anti-pollution.