



# Medical Ventilator

The whole through the European Union CE certification, national CMD certification.  
Principle of work: Pneumatic Electric Control.  
Scope of application: Adults, Children.  
Main configuration: main engine, support arm, humidifier, special cart, Reuse Silicone Tube, Air Valve Assembly, temperature sensor, simulated lung, oxygen decompressor.  
Power: AC220V±22v. 50-60HZ±1Hz. Built-in battery: Working Hours≥60 minutes



## Main functions

- ▲ 5.6 inches and LCD Screen, Main settings are displayed separately. It can display waveform and detection parameters on the same screen.
- ▲ It has an engineering model, suitable for on-site plant engineer debugging and calibration equipment.
- ▲ Inhalation temperature monitoring 18°C ~ 51°C. Detection mode of temperature sensor.
- ▲ Allowable range of input gas source pressure 0.28MPa-0.60MPa.
- ▲ Pressure waveform, flow waveform, capacity waveform, waveform function such as a key frozen.
- ▲ IPPV, SIMV-VC/ASB, SIMV-PC/ASB, Sigh, Pressure-limited ventilation, Back-up ventilation for Asphyxia.
- ▲ 24 hours Waveform trend chart.
- ▲ Pressure type sigh ventilation function is adjustable. Two sigh every three minutes.
- ▲ Assist / control breathing transition time ≥ 4s. (When the IPPV frequency is greater than 4s, Breathing time according to IPPV frequency).

## Basic performance parameters

- 1 Inspiratory Tidal Volume 50~1500mL.
- 2 Inspiratory flow 6~60L/min.
- 3 Respiratory frequency 0.5~100/min.
- 4 Respiratory ratio 3:1~1:9.
- 5 Inspiratory time 0.3~6.0s, Inspiratory plateau 0.1s~50%Ti.
- 6 Inspiratory triggering press at least -20~0hPa (above PEEP).
- 7 Pressure controlled inspiratory pressure 5~40hPa.
- 8 Pressure Support 5~40hPa.
- 9 Pressure rise time 0.1~2s.
- 10 Positive end expiratory pressure at least 1~15hPa.
- 11 Oxygen concentration 45% or 100%

## Monitoring parameters

Vte, MV, Ppeak, O2, I:E, TPLAT, PEEP, F, Ramp, Pplat, T

## Alarm function

1. Intelligent alarm system, divided into high, medium and low three-level alarm, it's clearly distinguishable in sound, and the screen displays detailed information.
2. 5.2 Upper and lower limit of airway pressure alarm, Upper and lower limit of ventilation alarm, Upper and lower limit of oxygen concentration alarm, continued pressure alarm conditions and alarm system, Apnea, Power failure, Air source cut off, Mute 120s.
3. 5.3 After the upper limit of airway pressure can be immediately stopped breathing and converted to a gaseous state, Alarming when it's below the set limit and lasts 12 seconds.
4. When the inspiratory gas temperature is over 40°C, Breathing machine should issue an alarm.
5. When the gas supply is cut off, The ventilator machine shall issue an advanced alarm signal within 15 seconds.

