

# Shangrila530 Ventilator



- The first electronically driven and electronically controlled ICU ventilator in China
- Pressure control and volume control for pediatric and adult
- 8" TFT color screen
- Easy setting by navigator wheel knob & touch key
- FiO<sub>2</sub> dynamically monitored
- Day and night mode for improving patient's sleep at night
- Three-level light and sound alarm, with concise words describing problems
- Sensitive pressure and flow trigger
- Built-in inspiration and expiration flow sensor, durable and water coagulation resistant
- Built-in battery
- CE marked, meets EU clinical requirement

# Technical Specification

## Specification

### Modes of ventilation

- Volume Controlled (VCV), Assist/Control
- Pressure Controlled (PCV), Assist/Control
- Synchronized Intermittent Mandatory Ventilation (SIMV)
- Pressure Support (PSV)
- Spontaneous ventilation (SPONT)
- Continuous Positive Airway Pressure (CPAP)
- Combined: VCV + SIGH, SIMV (VCV) + PSV

### Parameter

- Tidal volume: 0.50~1500ml
- Respiratory rate: 1~70bpm (VCV & PCV)  
1~40bpm (SIMV)
- Inspiration time: 0.2~6s
- Inspiratory pause time: 0~2s
- FiO<sub>2</sub>: 21%~100%
- Trigger sensitivity: Pressure (-2~0kPa, above PEEP)  
Flow (2~30LPM)
- PEEP: 0~3kPa
- P<sub>support</sub>: 0~6kPa
- P<sub>control</sub>: 0.5~6kPa
- Key lock: Yes

### Monitoring

- Pressure values: P<sub>peak</sub>, P<sub>plat</sub>, P<sub>mean</sub>, PEEP
- Volume/Flow values: VT<sub>i</sub>, VT<sub>e</sub>, MV, MV<sub>spont</sub>
- Time values: f<sub>total</sub>, f<sub>spont</sub>, I:E, RSBI (Option)
- Oxygen monitoring: 21~100%
- Real time curves: Pressure-Time, Flow-Time, Volume-Time

### Alarm

- MV high, MV low, Circuit disconnect, P<sub>aw</sub> high, P<sub>aw</sub> low, Airway pressure continue high, VT<sub>e</sub> high, f<sub>spont</sub> high, T<sub>apnea</sub>, Power supply failure, Battery low, Battery exhausted, O<sub>2</sub> supply down

## Technical data

- Screen: 8" TFT color screen
- Gas supply: O<sub>2</sub>, 0.28~0.6MPa
- Power supply: AC110~240V, 50Hz/60Hz, 65VA
- Maximum security pressure: 8kPa
- Compliance: 4mL/100Pa
- Noise: ≤65dB(A)
- Communication interface: RS232 port
- Dimensions (H×W×D): 350×303×280 mm
- Weight: 15kg

## Environment requirement

- Temperature: 5°C~40°C (Operation)  
-20°C~55°C (Storage)
- Relative humidity: ≤90%, non-condensing (Operation)  
≤93%, non-condensing (Storage)
- Atmospheric pressure: 70~106kPa (Operation)

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