

Shangrila530 Ventilator

- The first electronically driven and electronically controlled ICU ventilator in China
- Pressure control and volume control for pediatric and adult
- 10.4" TFT color screen
- Easy setting by navigator wheel knob & touch key
- FiO₂ 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

Technical data

- Screen: 10.4" TFT color screen
- Gas supply: O₂, 0.25~0.6MPa
- Power supply: AC110~240V, 50Hz/60Hz, 65VA
- Maximum security pressure: 8kPa
- Compliance: 4mL/100Pa
- Noise: 65dB(A)
- Communication interfaces: RS232 port
- Dimensions(H×W×D): 350×303×280mm
- Weight: 15kg

Parameter

Tidal volume: 0~1500ml; FiO₂: 21%~100%

Respiratory rate: 1~70bpm(used in VCV & PCV);
1~40bpm (used in SIMV)

Inspiration time: 0.2~6s; Inspiratory pause time: 0~2s

Trigger sensitivity: Pressure (-2~0kPa, above PEEP)
Flow (2~30LPM)

PEEP: 0~3kPa; P_{support}: 0~6kPa; P_{control}: 5~6kPa

Key lock: Yes

Alarm

MV high, MV low, Circuit disconnect, P_{aw} high, P_{aw} low, Airway pressure continue high, VT_E high, F_{spont} high, T_{apnea}, Power supply failure, Battery low, Battery exhausted, O₂ supply down

Monitoring

- Pressure values: P_{aw}, P_{plat}, P_{mean}, PEEP
- Volume/Flow values: VT_I, VT_E, MV, MV_{spont}
- Time values: F_{total}, F_{spont}, I:E, RSBI(option)
- Oxygen monitoring: 21~100%
- Real time curves: Pressure - Time, Flow - Time, Volume - Time

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

