



Interface

- User-friendly design, easy to operate:
12.1" TFT LCD touch screen with high-resolution, joint-operation with shuttle button
- Reduced possibility of cross-infection:
detachable screen to be placed on pendant
- Dual options to set up ventilation mode:
button or touch screen
- "Guide-way" style boot operation interface:
in line with the ventilator operation works, effectiveness in preventing medical incident
- Reasonable layout, convenient to read and compare:
waveforms, loops, and monitoring parameters in same colors, displayed in left side and right side correspondingly
- Safety guarantee:
360-degree panoramic alert light, dual (sound and light) three-level alarms, accompanied with short text description of problem

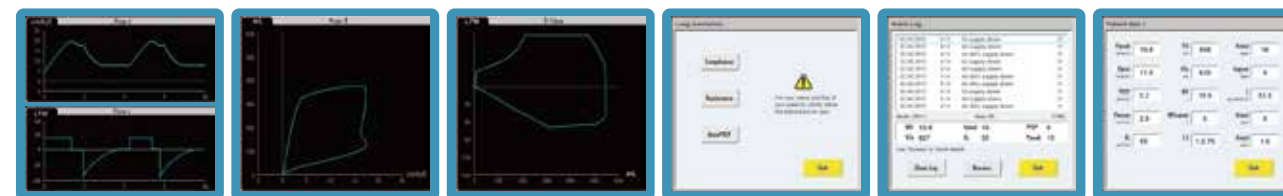


Excellent Ventilation and Comfortable Respiration

- Meet demand of critical care mechanical ventilation:
typical ventilation modes, Bi Level Ventilation (BIVENT), Pressure Regulation Volume Controlled (PRVC)
- Pneumatically driven and electronically controlled for pediatric and adult
- Sensitive pressure trigger and flow trigger options bring more comfort to patients

Clinical Support

- Inspiratory and expiratory hold:
maximum 15s, automatically transfer to inspiratory / expiratory ventilation mode and alert if timeout
- Smart aerobics, maximum 120s once time
- Artificial ventilation
- Synchronization atomization



Advanced Medical Engineering Technology



- Initiative exhalation valve technology guarantees coordination and synchronization between user and machine
- Whole exhalation valve technology provide thermostatically controlled function, avoid vapor condensation, and effectively protect the ventilator
- Exhalation valve is easy to disassemble and convenient to disinfect in turn lows down infection rate
- Built-in inspiration flow sensor (non consumable design), low maintenance cost

Specifications

Modes of Ventilation

- Volume Controlled (VCV), Assist/Control
- Pressure Controlled (PCV), Assist/Control
- Pressure Regulated Volume Control (PRVC), Assist/Control
- Synchronized Intermittent Mandatory Ventilation (SIMV)
 - Volume-controlled breaths (V-SIMV)
 - Pressure-controlled breaths (P-SIMV)
 - Pressure Regulated Volume Control- controlled breaths (PRVC-SIMV)
- **Bi Level Ventilation (BIVENT)**
- Spontaneous Ventilation (SPONT)
- Continuous Positive Airway Pressure (CPAP)
- Non Invasive/CPAP (NIV/CPAP)
- Non Invasive/Pressure Controlled Ventilation (NIV/PCV)
- Combined: VCV+SIGH, SIMV (VCV)+Pressure Support (PS), SIMV (PCV)+PS, SIMV (PRVC)+PS, BIVENT+PS, NIV/CPAP+PS, SPONT+PS

Parameters

- Tidal volume: 20~2500ml
- Respiratory rate: 4~100bpm (used in VCV & PCV & PRVC)
1~40bpm (used in V-SIMV & P-SIMV & PRVC-SIMV)
- Inspiration time: 0.1~12s
- Inspiratory pause time: 0~4s
- FiO₂: 21%~100%
- Trigger sensitivity: Pressure (-2~0kPa, above PEEP)
Flow (0.5~20LPM, with base flow)
- PEEP: 0~5kPa
- P_{support}: 0~6kPa
- P_{control}: 0.5~6kPa
- E-sense: 5%~80%
- Suction: Maximum 2min
- Inspiratory hold: Yes
- Expiratory hold: Yes
- Manual inspiration: Yes
- Waveform freeze: Yes
- Nebulizer: 30 minutes
- Key lock: Yes

Monitoring

- Pressure values: P_{plat}, P_{peak}, P_{mean}, PEEP
- Volume/Flow values: VT_i, VT_E, MV, MV_{spont}
- Time values: f_{total}, f_{spont}, I:E
- Oxygen monitoring: O₂ sensor
- Real time curves: Pressure-Time, Flow-Time, Volume-Time, Pressure-Volume loop, Flow-Volume loop
- Respiratory mechanics, dynamic and static compliance, resistance, auto PEEP

Alarm

- MV high, MV low, P_{aw} high, P_{aw} low, Peep High, Peep low, Airway pressure continue high, VT_E low, VT_E high, f_{spont} high, T_{apnea}, FiO₂ low, FiO₂ high, Power supply failure, Nebulizer on, Battery low, Battery exhausted, Air supply failure, O₂ supply failure, Air & O₂ supply failure, Fan Block, Pipe block, Circuit disconnected

Technical data

- Screen: 12.1" TFT color touch screen (detachable)
- Gas supply: O₂, Air (All gas must be medical level), 0.28~0.6MPa
- Power supply: AC110~240V, 50Hz-60Hz, 65VA
- Maximum security pressure: ≤8kPa
- Compliance: ≤4mL/100Pa
- Noise: ≤65dB (A)
- Communication interfaces: RS232 port, VGA port, Nurse call
- Dimensions (H×W×D): 400×303×250 mm
- Weight: 15kg

Environment requirements

- Temperature: 5°C~40°C (Operation)
-20°C~55°C (Storage)
- Relative humidity: ≤90%, non-condensing (Operation)
≤93%, non-condensing (Storage)
- Atmospheric pressure: 50~106kPa (Operation)
50~106kPa (Storage)
- Altitude operation: 500~800mmHg / 3565~ -440m (Operation)
375~800mmHg / 5860~ -440m (Storage)

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