

Aeon8300A

Anaesthesia Workstation



- PCV, SIMV and PS modes provide for a flexible ventilation, suitable for both pediatric and adult patients
- Monitoring of O₂, CO₂ and anaesthetics (optional)
- Ratio-system guarantees a minimum of 25% oxygen concentration in an O₂ / N₂O gas mixture
- Autoclavable CO₂ absorber circuit
- Enhanced features: auxiliary oxygen outlet, suction device, auxiliary mains socket, monitor arm, holder for infusion pumps
- CE certified, meets European clinical requirements

Technical Specifications

Physical & Environment Specifications

- Dimensions(W×H×D): 760mm × 1300mm × 630mm
- Weight: 100kg (including trolley base and 2 vaporizers, without cylinder)
- Operation Temperature: +10~+40°C
- Operation Humidity: ≤80% (noncondensing)
- Storage Temperature: -20~+55°C
- Storage Humidity: ≤93%(noncondensing)

Electrical Specifications

- Mains: 100-240V AC, 50-60Hz
- Battery: 24V 5Ah, minimum 120 min

Pneumatic Specifications

- Gas Supply : Air, O₂, N₂O; 280kPa - 600kPa
Backup Gas sources (Yoke, O₂, N₂O)
- Flowmeters: O₂ Range: 0-1L/min; 1-10L/min
N₂O Range: 0-1L/min; 1-10L/min
Air Range: 0-1L/min; 1-12L/min
Auxiliary O₂ Range: 0 -15 L/min(Optional)
- Gas System: Flowmeter backlight
Low O₂ signal
N₂O-cut-off system
O₂ flush: 25-75L/min
Auxiliary Power Source(Optional)

Breathing System Specifications

- Operational Modes: Closed, Semi-closed, Semi-open
- Carbon Dioxide Absorbent Canister: 2 Loose fill(3L) or 2 prepacks
- APL Range: Spontaneous breathing (SP) -70 cmH₂O
- Material: Autoclavable (except flow sensors, O₂ fell cell and mechanical pressure meter)
heating system (Option)

Ventilator Specifications

- Driven Modes: Pneumatically driven and electronically control
- Patient Types: Adult, Pediatric
- Ventilation Modes: IPPV, PCV, SIMV, PS, and Manual
- Setting Modes: Touch key & navigator wheel knob
- Tidal Volume: 20-1500ml
- Ventilation Frequency: 4-100bpm
- I:E Ratio: 4:1-1:8
- Pressure (inspired) Range: 5-70cmH₂O
- Pressure (support) Range: 3- 50cmH₂O
- PEEP: off, 3-30 cmH₂O
- Tslope: 0-2s
- Inspiratory Plateau: off, 5%-60% Ti
- Trigger Sensitivity: 1-15L/min
- Peak Gas Flow: 75 L/min
- Compensation: Compliance compensation, fresh gas compensation

Ventilator Monitoring

- Display: 10.4" TFT color screen
- Pressure: Paw, Peak, Pplat, Pmean, PEEP
- Volumes: MV, Vt
- Gas: O₂ Concentration, CO₂ Concentration, Anaesthesia Agent Concentration
- Graph Display: P-T, F-T&P-V, F-V loops(can be saved), Wave of CO₂

Alarm

- Pressure: High Airway Pressure/Low Airway Pressure
Continuous High Pressure
- Volumes: High Minute Volume/Low Minute Volume
- Gas: High FiO₂/Low FiO₂
- AC Power Failure
- Apnea Alarm: 60 seconds
- Alarm Silence: 120 seconds

Vaporizer

- Support two vaporizers
- Agent: Halothane, Enflurane, Isoflurane, Sevoflurane
- Installation Mode: Selectatec with interlock
- Filling Type: Pour Fill, Key Fill, Quik-Fil

Remark: Above configurations include standard and option. Please check price with your Aeonmed sales representative.

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