

# Aeon8300A

## Anaesthesia Workstation



- PCV and SIMV+PS modes ensure flexibility in ventilation, machine doable for both pediatric and adult operation
- Optional functions monitoring, CO<sub>2</sub>, and anesthetic gas
- Flowmeter provides minimum 25% concentration of oxygen in O<sub>2</sub> /N<sub>2</sub>O mixture
- Absorb system easy to removal and clean, fully autoclavable, optional CO<sub>2</sub> bypass
- Enhances usability with auxiliary oxygen, suction, auxiliary power source, arm for monitor, infusion pump etc.
- CE marked, meets EU clinical requirement.

## Technical Specifications

### Physical & Environment Specifications

- Dimensions(W×H×D): 704mm × 1403mm × 750mm (without YOKE)
- Weight: 100kg (basic unit)
- Operation Temperature: +10~+40°C
- Operation Humidity: ≤80% (noncondensing)
- Storage Temperature: -20~+60°C
- Storage Humidity: ≤95%(noncondensing)

### Electrical Specifications

- Mains: 100-240V AC, 50-60Hz
- Battery: 24V 5Ah, minimum 120 min
- Outlets: 3 on back, 1. 5A individual

### Pneumatic Specifications

- Gas Supply : Air,O<sub>2</sub>,N<sub>2</sub>O; 280kPa - 600kPa
- Flowmeters: O<sub>2</sub> Range: 0-1L/min; 1-10L/min  
N<sub>2</sub>O Range: 0-1L/min; 1-10L/min  
Air Range: 0-1L/min; 1-12L/min  
Auxiliary O<sub>2</sub> Range: 0 -12 L/min  
Flowmeter backlight
- Gas System: Oxygen supply failure alarm  
Oxygen supply failure protection  
O<sub>2</sub> flush: 25-75L/min
- ACGO: OptionAuxiliary common gas outlet
- AGSS: Option Anesthetic Gas Scavenging System

### Breathing System Specifications

- Operational Modes: Closed, Semi-closed, Semi-open
- CO<sub>2</sub> Absorbent Canister: 2 Loose fill(3L) or 2 prepacks
- APL Range: Spontaneous breathing (SP) -70 cmH<sub>2</sub>O
- Material: Autoclavable (except O<sub>2</sub> fell cell and mechanical pressure meter)
- Heating system: Option
- CO<sub>2</sub> bypass: Option

### Ventilator Specifications

- Driven Modes: Pneumatically driven and electronically control
- Patient Types: Adults and Pediatric populations weighing above 2kg
- 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: 5-70cmH<sub>2</sub>O
- Pressure (support) Range: 3- 50cmH<sub>2</sub>O
- Ppeep: off,3-30 cmH<sub>2</sub>O
- Tslope: 0-2s
- Inspiratory Plateau: off, 5%-60%Ti
- Trigger Sensitivity: 1-15L/min
- Compensation: Compliance and Leak compensation, fresh gas compensation, elevation compensation

### Ventilator Specifications

- Display: 10.4" TFT color screen
- Pressure: Paw, Peak, Pplat, Pmean, PEEP
- Volumes: MV, Vt
- Gas: FiO<sub>2</sub>, Option:EtCO<sub>2</sub>, AG
- Graph Display: P-T, F-T&P-V, F-V loops, Option:Wave of CO<sub>2</sub>
- Alarm: High Airway Pressure/Low Airway Pressure  
Sustained airway pressure  
High Minute Volume/Low Minute Volume  
High FiO<sub>2</sub>/Low FiO<sub>2</sub>  
High Breath Rate  
O<sub>2</sub> Supply failure  
Power failure  
Apnea Alarm  
Alarm Silence: 120 seconds

### Vaporizer

- Support two vaporizers
- Agent: Halothane, Enflurane, Isoflurane, Sevoflurane
- Installation Mode: Selectatec® with interlock, optional standby vaporizer parking holder
- Filling Type: Pour Fill, Key Fill, Quik-Fil

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