PCV and SIMV+PS modes ensure flexibility in ventilation, making it suitable for both pediatric and adult operations.

- Optional monitoring functions for CO2 and anesthetic gas.
- Flowmeter provides minimum 25% concentration of oxygen in O2/N2O mixture.
- Breathing system easy to remove and clean, fully autoclavable, and optionally CO2 bypass.
- Enhances usability with auxiliary oxygen, suction, auxiliary power source, monitor arm, infusion pump, etc.
- CE marked, meets EU clinical requirements.

**Aeon8300A**  
**Anesthesia Machine**
### Technical Specification

#### Physical & Environment Specifications
- **Dimensions (WxHxD):** 704mm x 1403mm x 750mm (without YOEK)
- **Weight:** 100kg (basic unit)
- **Operation Temperature:** +10° to +40°C
- **Operation Humidity:** <80% (noncondensing)
- **Storage Temperature:** -20° to +60°C
- **Storage Humidity:** <95% (noncondensing)

#### Electrical Specifications
- **Mains:** 100~240V AC, 50/60Hz
- **Battery:** 24V 4Ah, minimum 120 min
- **Outlets:** 3 on back, 1.5A individual

#### Pneumatic Specifications
- **Gas Supply:** Air, O₂, N₂O; 280kPa – 600kPa
- **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 0–12L/min
  - Flowmeter backlight
- **Gas System:** Oxygen supply failure alarm
  - Oxygen supply failure protection
  - O₂ flush: 25–75L/min
- **ACGO:** Optional auxiliary common gas outlet
- **AGSS:** Optional anesthetic gas scavenging system

#### Breathing System Specifications
- **Operational Modes:** Closed, Semi-closed, Semi-open
- **CO₂ Canister:** 2 Loose fill (3L) or 2 prepacks, optional single canister
- **APL Range:** Spontaneous breathing (SP) -70 cmH₂O
- **Material:** Autoalavable (except O₂ cell and mechanical pressure gauge)
- **Heating system:** Optional
- **CO₂ bypass:** Optional

#### Ventilator Specifications
- **Driven Mode:** Pneumatically driven and electronically controlled
- **Patient Types:** Adult and Pediatric populations weighing above 2kg
- **Ventilation Modes:** IPPV, PAV, SIMV+PS, 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
- **Compensation:** Compliance and leakage compensation, fresh gas compensation, altitude compensation

#### Ventilator Specifications
- **Display:** 10.4" TFT color screen
- **Pressure:** $P_{aw}$, $P_{peak}$, $P_{plat}$, $P_{mean}$, PEEP
- **Volumes:** MV, Vt, Freq
- **Gas:** FiO₂, optional: CO₂, AG, MAC
- **Graph Display:** P-T, F-T, P-V, F-V and optional CO₂ -t
- **Alarm:** High Airway Pressure/Low Airway Pressure
  - Sustained airway pressure
  - High Minute Volume/Low Minute Volume
  - High FiO₂/Low FiO₂
  - High Breath Rate
  - O₂ Supply failure
  - Power failure
  - Apnea Alarm
  - Alarm Silence: 110 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