



## Aeon8600A

### Anesthesia Workstation

**AEO MED**  
Reliable Quality Thoughtful Service



Exclusive Distributor Aeomed & Heyer For Sulawesi

**PT KARYA PRATAMA**

Daan Mogot Arcadia Blok F1 No. 8A-8B Jl. Daan mogot Km 21,  
Kec. Batuceper, Kel. Batuceper, Kota Tangerang, Banten 15122  
Telepon : (021) 5595 8085, Fax : (021) 5595 8125



## Lung-Protective Ventilation

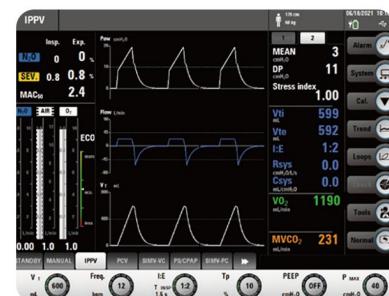
Lung-protective ventilation is the current standard of care for mechanical ventilation. The risk of Postoperative Pulmonary Complications (PPCs) can be effectively reduced through Lung-protective ventilation strategy

### Low tidal volume

The 8600A has a minimum tidal volume of 10ml in volume control mode, in addition to possessing the PCV-VG and BIVENT ventilation mode, helping to achieve the precise low tidal volume required during lung protective ventilation.

### Individualized PEEP titration tool

Stress index (SI) monitoring helps with Individualized PEEP titration. Through the guidance of the Static PV loop tool, the appropriate setting of PEEP value and tidal volume are realized.



### Minimized impact recruitment maneuver

Two types recruitment maneuvers: PEEP increment or sustained inflation. Automate repetitive tasks used during lung ventilation procedures.



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## Modern Breathing Circuit

Safe, stable and efficient anesthesia management. The characteristic breathing circuit is made of alloy, resistant to corrosion and can withstand repeated high temperature and high pressure sterilization.

Adjustable angle, easy to install, many user-friendly designs make maintenance easier.

The integrated heating system with a better thermal conductivity of alloy help prevent condensation and make patients feel more comfortable.

APL with fast release function, the upper pressure limit is accurately adjustable, avoiding repeated operations and improving anesthesia efficiency.

The Breathing Circuit has CO<sub>2</sub> bypass function ( optional ).



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## Ventilator-level ventilation modes

### Aeon8600A

is always your professional guard for lives, offering comprehensive and accurate respiratory care for all the patient types from infant to adult, helping clinicians to have more solutions for different clinical situations.

**IPPV | PCV | PCV-VG  
SIMV-VC | SIMV-PC | SIMV-VG  
PS / CPAP | BIVENT | APRV**

### SIMV-VG

Guarantees patients can breathe spontaneously between mandatory breaths with pressure support as a backup. It offers flexible respiratory solutions when anesthesia steps into different phases.

### BIVENT / APRV

Pressure controlled breaths are provided by switching between a high and low airway pressure in an adjustable time sequence. Spontaneous breaths can be pressure supported at the high and low pressure levels.

### PCV-VG

Combines the advantages of VCV and PCV, providing better oxygenation with lower peak inspiratory pressure.



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## Enhanced monitoring and clinical tools

- In addition to traditional monitoring parameters, special monitoring parameters, such as Driving Pressure(DP), are provided to guide clinicians in adjusting ventilation parameters.
- Spirometry loops can be stored for future reference, allowing clinicians the ability to better understand changes in the patient's response to therapy.
- Provide multiple of cardiopulmonary bypass modes (CBP) to assist in the implementation of cardiopulmonary bypass surgery.
- Continuous trend information together with time discrete events are stored and shown in the table or chart.
- Provides medical gas consumption calculations: including O<sub>2</sub>, N<sub>2</sub>O and Agent. And provide calculations of CO<sub>2</sub> production.
- International standard data protocol support to connect to internet center of hospitals.

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## Technical Specifications

### BASE UNIT

#### Dimensions (H x W x D)

Trolley version (with breathing circuit) 1410 x 740 x 730 mm

#### Weight and load

Trolley (without vaporizer and backup cylinder) 110 ± 5 kg

Top shelf load 25 kg

#### Caster locking

Braking Types Individual locking front casters

#### Power and battery backup

Power input AC 100~240 V, 50/60 Hz

Power outlets 4 sockets on back, 1.5A individual

Batteries and Operation time with fully charged DC 24V, 4.0AH, Minimum 120 minutes

#### Environmental requirements

Operation temperature 10~40 °C (50~104 °F)

Operation humidity ≤ 95% (non-condensing)

Storage temperature -20~60 °C (-4~131 °F)

Storage humidity ≤ 95% (non-condensing)

### ANESTHESIA GAS SUPPLY MODULE

Gas supply O<sub>2</sub>, N<sub>2</sub>O, AIR; 280~600 kPa

Cylinder yokes Optional

Fresh gas flow Indicator Electronic display flowmeter

Range of fresh gas flow indicators O<sub>2</sub>, N<sub>2</sub>O: 0~10L/min; AIR: 0~12L/min

O<sub>2</sub> flush 25~75 L/min

Auxiliary common gas outlet (ACGO) Optional

Anesthetic gas scavenging system (AGSS) Optional

#### Vaporizer

Agent Sevoflurane, Halothane, Enflurane, Isoflurane

Installation mode Selectable\* with interlock, optional standby vaporizer parking holder

Filling type Pour-Fill, Key-Fill, Quik-Fill\*

#### Breathing system

Volume of CO<sub>2</sub> absorber 1.5 L for single canister

API Range Spontaneous breathing (SP) -70 cmH<sub>2</sub>O

Material Autoclavable (except O<sub>2</sub> cell and airway pressure gauge)

Heating system 32~40 °C

CO<sub>2</sub> bypass Optional

### VENTILATOR OPERATING SPECIFICATIONS

Ventilator Pneumatically driven, Electronically controlled

Ventilation modes - standard Manual/Spontaneous

Volume control (IPVV) Volume control (IPVV)

Pressure control (PCV) Pressure control (PCV)

Ventilation modes - options Pressure Controlled Ventilation Volume Guaranteed (PCV-VG)

Synchronized Intermittent Mandatory Ventilation In Volume (SIMV-VC)

Synchronized Intermittent Mandatory Ventilation In Pressure (SIMV-PC)

Synchronized Intermittent Mandatory Ventilation In PCV-VG (SIMV-VG)

Pressure Support (PS) / Continuous Positive Airway Pressure (CPAP)

Bilevel Positive Airway Pressure Ventilation (BiVENT)

Airway Pressure Release Ventilation (APRV)

#### Control input ranges

Breathing frequency (Freq) 2~100 bpm

Positive end expiratory pressure (PEEP) OFF, 3~50 cmH<sub>2</sub>O

Inspiration/expiration ratio (I:E) 4:1~1:8

Tidal volume (V<sub>t</sub>) 10~1500ml

Inspiration pause OFF, 5%~60%

Inspiratory time 0.2~5.0 s

Inspiratory pressure (P<sub>INSPSET</sub>) 5~70 cmH<sub>2</sub>O

Pressure support level (ΔP) 3~60 cmH<sub>2</sub>O

Pressure limit (P<sub>max</sub>) 10~100 cmH<sub>2</sub>O

Trigger 0.5~15 L/min / -20~-1cmH<sub>2</sub>O

Inspiratory Slope Time (T<sub>INSP</sub>) 0~2s

Compensation Compliance and Leak compensation, fresh gas compensation, altitude compensation

#### Ventilator monitoring & alarm

Monitoring Continuous monitoring of inspiratory O<sub>2</sub> concentration, breathing frequency, tidal volume, minute volume, peak airway pressure, PEEP, mean or plateau pressure, I:E ratio, resistance, compliance. Option: driving pressure, stress Index, CO<sub>2</sub> concentration, paramagnetic oxygen analyzer, anesthetic gas concentration with MAC.

Trend storage Maximum 720 hours of trend data table, 72 hours of trend chart

Medical gas calculations Consumption of O<sub>2</sub>, N<sub>2</sub>O and Agent. Calculations of CO<sub>2</sub> production. (require relevant gas monitoring)

Control screen 12.1" TFT color touch screen

Graph Display Waveforms of P-t, F-t, V-t, CO<sub>2</sub>-t (option), P-V Loop, V-F Loop, P-F Loop

Alarm MV high/low limit, FiO<sub>2</sub> high/low limit, Paw high/low limit, Power failure

High/Freq, Negative pressure, Continuous airway pressure, Apnea alarm, etc.

Alarm log Alarm (Silence ≤ 120 seconds)

Alarm log 500 Items

\*Please note: Configuration includes standard and option. Please check price with your distributor before registration.



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