

Technical Specifications

BASE UNIT

Dimensions (H x W x D)	
Trolley version (with breathing circuit)	1403×704×750 mm or 55.2×27.7×29.5 in
Weight and load	
Trolley (without vaporizer and backup cylinder)	100 kg or 220.5 lb
Top shelf load	25 kg or 55 lb
Power and battery backup	
Power input	AC 100~240 V, 50/60 Hz
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	≤80% (non-condensing)
Storage temperature	-20~60 °C (-4~131 °F)
Storage humidity	≤95% (non-condensing)

ANESTHESIA GAS SUPPLY MODULE

Gas supply	O ₂ , N ₂ O, AIR; 280~600kPa
Cylinder yokes	Optional: O ₂ , N ₂ O, AIR
Fresh gas flow indicator	Electronically display and virtual fresh gas flow tubes
Range of fresh gas flow indicators	O ₂ , N ₂ O (0~10.0 L/min), AIR (0~12.0 L/min) (increments of 0.05)
O ₂ 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	Selectatec® with interlock, optional standby vaporizer parking holder
Filling type	Pour-Fill, Key-Fill, Quik-Fil®
Breathing system	
Volume of CO ₂ absorber	3 L for double-canister or 1.5 L for optional single canister
APL Range	Spontaneous breathing (SP) -70 cmH ₂ O
Material	Autoclavable (except O ₂ cell and airway pressure gauge)
Heating system	32-40 °C
CO ₂ bypass	Optional

VENTILATOR OPERATING SPECIFICATIONS

Ventilator	Pneumatically driven, Electronically controlled
Ventilation modes	Manual/Spontaneous Volume control (IPPV) Pressure control (PCV) Pressure Controlled Ventilation Volume Guaranteed (PCV-VG) Synchronized Intermittent Mandatory Ventilation in Volume (SIMV-VC) Synchronized Intermittent Mandatory Ventilation in Pressure (SIMV-PC) Pressure support (PS) with Apnea Backup
Control input ranges	
Breathing frequency (Freq)	2~100 bpm
Positive end expiratory pressure (PEEP)	OFF, 3~30 cmH ₂ O
Inspiration/expiration ratio (I:E)	4:1~1:8
Tidal volume (Vt)	20~1500 ml in Volume Control
Inspiration pause	OFF, 5%~60%
Inspiratory time	0.2~5.0 s
Inspiratory pressure (P _{TARGET})	5~70 cmH ₂ O
Pressure support level (ΔP)	3~50 cmH ₂ O
Pressure limit (Pmax)	10~70 cmH ₂ O
Trigger	1~15 L/min
Inspiratory Slope Time (T _{SLOPE})	0~2s
Compensation	Compliance and Leak compensation, fresh gas compensation, altitude compensation
Ventilator monitoring & alarm	
Monitoring	Continuous monitoring of inspiratory O ₂ concentration, breathing frequency, tidal volume, minute volume, peak airway pressure, PEEP, mean or plateau pressure, CO ₂ concentration (optional), anesthetic gas concentration (optional), paramagnetic oxygen sensors (optional)
Compliance	0~100 mL/cmH ₂ O
Control screen	12.1" TFT color touch screen
Graph Display	Waveform of P-t, F-t, V-t, CO ₂ -t (option), P-V Loop, V-F Loop
Alarm	MV high/low limit, FiO ₂ high/low limit, Paw high/low limit, Power failure High Freq Negative pressure Continuous airway pressure Apnea alarm. Alarm Silence (< 120 seconds)

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

AEOMED
Reliable Quality Thoughtful Service

HQ: Building 9, No.26 Outer Ring West Road, Fengtai District, Beijing 100070, China
Science Park: No. 10, Chaobai Street, Yanjiao Development Zone, Sanhe City, Hebei Province
065201, China
TEL: +86-10-5841 1198 FAX: +86-10-6371 8989
Http://www.aeonmed.com E-mail: marketing@aeonmed.com

The information contained in this leaflet is correct at the date of publication. The policy of Beijing Aeonmed Co., Ltd. is one of the continued improvement to its products. Because of this policy, Aeonmed reserves the right to make any change, which may affect the information in this leaflet without giving prior notices.
AAM8700A-1902



Aeon8700A

Anesthesia Workstation

CE 0123

AEOMED
Reliable Quality Thoughtful Service

- The comprehensive ventilation modes (including PCV-VG and SIMV-PC) provide more flexibility in ventilation strategy, suitable for various patients and operations
- Advanced ventilation management provides accurate delivery and broad settings, enabling effective care across a wide range of patient types
- Support both low-flow anesthesia and mini-flow anesthesia
- Compact breathing system, easy to remove and clean, fully autoclavable
- Electronic flow-meter, precise control and convenient operation
- 12.1" TFT LCD color touchscreen, highlighted display
- Optional comprehensive gas monitoring includes: oxygen (paramagnetic), carbon dioxide, AG, etc.
- With CE certificate, meets EU clinical requirements



Ventilation Interface

- 12.1" TFT LCD with touchscreen, simple intuitive interface
- Displays main ventilation parameters, monitored data information, message alert on same page
- Audible and Visual alarms
- Minimum tidal volume of 20 ml suitable for patients from infant to adult



Graph Display

- P-t, F-t, V-t waveforms
- P-V, F-V loops
- Optional CO₂-t waveform
- Reference loops for real-time contrast
- Detailed trend data easy for review



Electronic Flow-Meter

- Dual display: LED and virtual fresh gas flow tubes
- Assisted with mechanical flow-meter monitoring total gas volume
- Simple and efficient operation



Spotlight and Auxiliary Table

- Spotlight with LED light source, shadowless effect
- Folding table expands work area and provides more space



Breathing System

- Special two-layer design, large capacity CO₂ canister
- Fast response suitable for low flow anesthesia
- Easy to remove and clean, fully autoclavable
- One step bag/vent switch
- Adjustable APL valve provides fast release function
- Optional CO₂ bypass

