

UAM

Universal Anesthesia Machine

The Gradian UAM is an innovative anesthesia machine designed to continue working without electricity and medical oxygen.



DUAL LOW-RESISTANCE VAPORIZERS

Two-station back bar for low-resistance vaporizers that accurately deliver a calibrated flow of halothane, isoflurane, or sevoflurane with or without a compressed gas source.

INTEGRATED OXYGEN CONCENTRATOR

Built-in oxygen concentrator that produces up to 10 liters per minute of up to 95 percent oxygen; room air cleaned with dual filtration system.

OXYGEN MONITOR

Oxygen monitor with settable high- and low-purity alarms displays inspired oxygen content and lasts up to 18 months on battery back-up.

ANESTHESIA VENTILATOR

Fully automatic, electrically-driven ventilator with 6-hour rechargeable battery back-up, no drive gas needed.

PATIENT VITAL SIGNS MONITOR

Real-time monitoring of pulse oximetry, ECG, blood pressure, and temperature with 6 hours of battery backup operation.

UNIVERSAL BELLOWS

Manual bellows that ensures safe, assisted respiration for adults and children without requiring a high-pressure gas source.

UAM Product Specifications

VENTILATOR SPECIFICATIONS

Type	Automatic and manual
Drive	Turbine (no drive gas needed)
Battery	6 hr backup
Display	10.4 in color touch screen, rotary knob
Modes	Volume, Pressure, Spont, with PEEP and PS
Tidal volume	50 - 1000 mL
Minute volume	1 - 10 L/min
Pressure control	10 - 30 cmH ₂ O
I:E ratio	1:1 - 1:3
Rate	5 - 30 bpm
Displays	Flow and pressure vs. time, compliance loops
Alarms	Volume, Pressure, Breathing Circuit Disconnect

GAS MANAGEMENT

Rotameters	Oxygen and nitrous oxide
Oxygen monitor	Adjustable min. and max. purity alarms, 18 mo. battery
Concentrator	Integrated, provides 10 L/min of oxygen at up to 95% purity
Nitrous cut-off	Mechanical, integrated AHD
Gas switching	Seamless transition to room air when compressed oxygen is unavailable

VAPORIZERS

Type	Low resistance (works with and without compressed gas)
Back bar	2-station, with integrated reservoir
Agents	Halothane, Isoflurane, Sevoflurane
Capacity	120 mL

ELECTRICAL AND GAS SUPPLIES

Oxygen and nitrous input	Pin index cylinder yoke Pipeline connection
Air input	Room air (entrains as needed)
Input voltage	220 VAC, 50/60 Hz with integrated AVS protection

PHYSICAL DIMENSIONS

Dimensions	UAM: 750 × 550 × 1310 mm UAMV: 440 × 280 × 230 mm
Weight	140 kg (309 lb)
Construction	Aluminum frame, 4 casters (2 locking), work surface, shelf, drawer, 2 auxiliary sockets

ENVIRONMENTAL

Temperature	15°C - 35°C (Operation) -5°C - 50°C (Storage)
Humidity	0 - 95% RH (Operation) 10 - 95% RH (Storage)
Pressure	70 - 110 kPa (Operation) 11.5 - 110 kPa (Storage)

Guaranteed with Every Purchase

COMPREHENSIVE WARRANTY

- Annual preventive maintenance checks
- Timely corrective maintenance with on-demand access to technical experts
- Local storage of spare parts for fast and easy access

HIGH-QUALITY TRAINING

- In-person and online formats, covering real-world clinical scenarios like obstetric emergencies with high-fidelity simulation
- Taught by leading physicians, and is accredited in several countries

