

C-AM | CLASSIC ANAESTHESIA MACHINE



The Gradian C-AM is an advanced anesthesia workstation for the modern operating theater with low-flow open or closed circuit anesthesia.

The CE-marked C-AM offers a versatile range of specifications, features, and configurations, combining the benefits of an integrated system with the flexibility and ease of use of a modular design.

PATIENT MONITOR

Multi-parameter monitor (temperature, BP, ECG, SpO₂, and EtCO₂), with color display, customizable settings, and battery backup.

TWO-STATION BACKBAR

Includes two Selectatec-compatible vaporizers—Halothane, Isoflurane, or Sevoflurane—for maximum flexibility.

INTEGRATED VENTILATOR

Touchscreen ventilator with eight advanced ventilation modes and waveform display, for use with adult and pediatric patients.

REAL-TIME AGENT MONITORING

Identification and measurement of 5 common anesthetic agents as well as O₂, N₂O, and CO₂, for maximum operating confidence.

PRECISION GAS MANAGEMENT

Dual-tube, 3-gas flowmeter bank with Electronic Flow Monitor (EFM) for precise control, with anti-hypoxic guard.

VERSATILE BREATHING SYSTEM

Streamlined breathing block facilitates seamless transition between automatic and manual ventilation and open- or closed-circuit anesthesia.

MULTI-FUNCTIONAL ARCHITECTURE

Ample storage and workspace, with an extendable writing surface, 3 lockable drawers, and, standard T-slot accessory mounting system.

QUALITY CONSTRUCTION

Designed to meet international standards and manufactured from safe, robust, and cleanable engineering materials for maximum performance and longevity.



CE CE-marked

SPECIFICATIONS

Workstation Components

Vaporizers

- Includes 2 (Selectatec): Halothane, Isoflurane, Sevoflurane
- 250 mL agent capacity, Key Filler

Patient Monitoring

- Measured: ECG, NIBP, HR, RR, SpO₂, EtCO₂
- Rechargeable battery

Absorber

- 1.4kg (1600 mL) soda lime capacity
- Manual (BAG) and ventilator (VENT) modes

Outlet Connections

- AGSS receiving unit
- Auxiliary high flow O₂ outlet (Mini Schrader)
- 4 fused auxiliary power outlets

Storage & Footprint

- 3 lockable drawers, extendable writing surface, top shelf, T-slot accessory mounting
- Size: 73 cm x 67 cm x 130 cm, 110 kg

Ventilator Modes

- Spontaneous
- Cardiac Bypass
- Volume Control
- Pressure Control
- Pressure Control with Vol. Guarantee
- Synch. Mandatory Minute Volume (SMMV)
- Synch. Intermittent Mandatory Volume (SIMV)
- PSV – Plus (intelligent switching to SIMV)

Ventilator Settings

Tidal Volume:	20 – 1500 mL
Target Pressure:	10 – 50 cmH ₂ O
Respiratory Rate:	4 – 100 BPM
I:E Ratio:	1:0.5 to 1:6
PEEP:	5 – 20 cmH ₂ O
Pressure Support:	3 – 20 cmH ₂ O*
Minute Volume:	1 – 20 L/min

* PEEP referenced

Ventilator Features

- Full color 15.4" TFT touchscreen
- Color-coded waveforms
- Default patient profiles by IBW and 6 user-configurable patient profiles
- 4-hour battery backup
- Case timer with stop/reset

Gas Sources & Monitoring

Pipeline Sources:	NIST – O ₂ , N ₂ O, Air Supply pressure 400 kPa (58 psig) +/- 10%
Cylinder Yokes:	Pin index – O ₂ , N ₂ O Supply pressure 13700 kPa (2000 psig) +/- 10%
Flow Meters:	Dual flow tubes (100 – 1000 mL/min, 1 – 10 L/min) Bank backlight, Electronic Flow Meter
Gas Monitoring:	O ₂ (permanent paramagnetic sensor), CO ₂ and N ₂ O (integrated infrared sensor)
Agent Monitoring:	Identification and concentration measurement of: Halothane, Isoflurane, Sevoflurane, Enflurane, Desflurane

Power & Use Environment

Mains Power:	100 – 240 VAC, 50-60Hz
Max Current:	1.2A@100V, 0.4A@240V
Battery Backup:	Up to 4 hours
Operating Temperature:	15°C – 35°C (59°F – 95°F)
Operating Humidity:	0 – 95% non-condensing
Air Pressure:	80 – 110 kPa
Protection:	IPX0

GUARANTEED WITH EVERY PURCHASE

3-YEAR WARRANTY:

- Annual preventive maintenance checks
- Timely corrective maintenance
- Local storage of spare parts for easy access
- 60+ Gradian-certified technicians
- Managed from Nairobi service hub

HIGH-QUALITY TRAINING:

- Covers product & clinical refresher topics
- Utilizes high-fidelity simulation
- Features real-world clinical scenarios
- Is offered in-person & online through the Gradian Training Resource Center

