



The **GE Avance CS2** is a compact anesthesia machine that can also be a fully integrated Carestation. The system combines anesthesia delivery, patient monitoring, and data management in one machine. In addition the Avance CS2 anesthesia machine offers ventilation capabilities and uses the GE 7900 Smartvent ventilator with the system. This allows the system to quickly and accurately mix anesthetic gases rapid time when the situation occurs. The Advanced Breathing System in the Avance System helps minimize the number of tubing connections and circuit volume coming from the machine.

The Avance SC2 Comes with a 15 inch color touch screen display, that offers quick assess to menus and additional settings. There are additional buttons next to the touchscreen that can be used for the most commonly used functions.

Features

- Movable 15" touch screen with Carescope user interface for the unified Carestation user experience with GE Carescope monitors.
- ecoFLOW provides information that may help clinicians mitigate the risk of hypoxic mixtures during low and minimum flow.
- ecoFLOW for visualizing agent consumption and help in mitigating wasteful over delivery of fresh gas flow.
- User configurable 'Quick Picks' for rapid selection of FiO2 and total flow combinations.
- Compact breathing system specifically designed for low flow to help provide fast gas kinetics for rapid wash-in and wash-out.
- Continual fresh gas flow with fresh gas flow compensation during mechanical ventilation.
- Central brake.
- Top shelf mounting rails.
- Metal work surface.



Specifications

Dimensions

Height: 54.7" (139 cm)
Width: 30.3" (77 cm)
Depth: 29.9" (76 cm)
Weight: 324 lbs (147 kg)

Ventilation

Standard Modes of Ventilation: VCV (Volume Control) mode with tidal volume compensation.

Optional Modes of Ventilation: Pressure Control; PCV-VG; SIMV; PSVPro; SIMV PCV-VG

Tidal Volume Range: 5 to 1500ml (Volume Control,; PCV-VG and SIMV volume; 20 to 1500ml) (PCV modes; 5 to 1500ml)

Minute Volume Range: Less than 0.1 to 99.9 L/min

Pressure (Pinspired) range: 5 to 60 cmH2O (increments of 1 cmH2O) 5 to 1500 mL volume delivery

Pressure (Pmax) Range: 12 to 100 cmH2O (increments of 1 cmH2O)

Pressure (Psupport) Range: Off, 2 to 40 cmH2O (increments of 1 cmH2O)

Rate: 4 to 100 breaths per minute for Volume Control and Pressure Control; 2 to 60 breaths per minute for SIMV, PSVPro and SIMV PCV-VG

Inspiratory/Expiratory Ratio: 2:1 to 1:8 (increments of 0.5)

Inspiratory Time: 0.2 to 5.0 seconds (increments of 0.1 seconds) (SIMV, PSVPro and SIMV PCV-VG)

Trigger Window: 2:1 to 1:8 (increments of 0.5)

Inspiration Termination Level: 5 to 75% (increments of 5%)

PEEP Type: Integrated, electronically controlled

PEEP Range: OFF, 4 to 30 cmH2O (increments of 1 cmH2O)

Ventilator Performance

Pressure Range at Inlet: 240 kPa to 700 kPa (35 psig to 100 psig)

Peak Gas Flow: 120 L/min + fresh gas flow

Flow Valve Range: 1 to 120 L/min

Flow Compensation Range: 150 mL/min to 15 L/min

Ventilator Accuracy

Volume delivery: > 210 mL = better than 7%; ≤ 210 mL = better than 15 mL; < 60 mL = better than 10 mL

Pressure delivery: ±10% or ±3 cmH2O

PEEP delivery: ±1.5 cmH2O

Volume monitoring: > 210 mL = better than 9%; ≤ 210 mL = better than 18 mL; < 60 mL = better than 10 mL

Pressure monitoring: ±5% or ±2 cmH2O



Specifications

Ventilator Screen

Display size: 15 inch
Pixel format: 1024 x 768

Battery Backup

Backup power: Demonstrated battery time is up to 90 minutes when fully charged. Battery time under extreme conditions is 30 minutes.
Battery type: Internal rechargeable sealed lead acid

Communication Ports

RS-232C compatible serial interface
Ethernet
Datex-Ohmeda device interface solutions port
USB port
VGA Output

Anesthetic Agent Delivery

Vaporizers: Tec* 6 Plus, Tec 7
Number of Positions: 2
Mounting: Tool-free installation Selectatec* manifold interlocks and isolates vaporizers

Power

Power input: 100-120 Vac, 50/60 Hz 220-240 Vac, 50/60 Hz
Power Cord: Length: 5 m/16.4 ft
Rating: 10A @ 250 Vac or 15A @ 125 Vac

Gas Supply

Pipeline input range: 280 kPa to 600 kPa (41 psig to 87 psig)
Pipeline connections: DISS-male, DISS-female, AS4059, BSPP 3/8, S90-116, or NIST. All fittings available for O₂, N₂O, and Air, and contain pipeline filter and check valve.
Cylinder input: Pin indexed in accordance with CGA-V-1 or DIN (nut and gland); contains input filter and check valve.

