

Save money while elevating critical patient care with CAE SimEquip. These simulated medical devices mirror real medical equipment and provide learners with hands-on experience to prepare for situations, such as resuscitation, ventilation and anesthesia.



CAE SimEquip helps expand the complexity of Simulated Clinical Experiences (SCEs) in prehospital and in-hospital settings.

With this simulated medical equipment, learners can:

- Configure and operate medical machines
- Monitor a patient
- Interpret data and troubleshoot issues
- Deliver effective healthcare to a patient on medical equipment

## Expand the possibilities

Available in two configurations, CAE SimEquip can be used with or without a patient simulator.

- Pair CAE SimEquip with CAE Maestro Standalone to teach learners without using a patient simulator.
- Use CAE SimEquip as add-on equipment with patient simulators, such as CAE Apollo, CAE Ares and CAE Juno.



## Tools to improve patient outcomes

Providing safe, quality care is a top priority. That's why CAE SimEquip portfolio offers options for various scenarios.



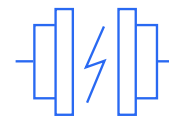
### CAE SimEquip Anesthesia

Learn to operate an anesthesia machine and manage ventilation of a patient under anesthesia.



### CAE SimEquip Ventilator

Manage ventilation of a patient with normal and abnormal lung mechanics and other respiratory conditions.



### CAE SimEquip Defibrillator

Deliver electrical therapy, monitor patients and interpret data.

## Learn More About CAE SimEquip

Call us at +1.941.377.5562 or email [SRQAccountmanagers@cae.com](mailto:SRQAccountmanagers@cae.com)

[caehealthcare.com](http://caehealthcare.com)



## CAE SimEquip Ventilator

### Technical Specifications

#### Standard Equipment

(To be used with adult CAE Maestro patient simulators as an add-on)

Ventilator cart

Medical attachments (breathing circuit with mask and tracheal tube, SpO<sub>2</sub> probe, CO<sub>2</sub> sample line, O<sub>2</sub> hose)

Learner tablet

All-in-one monitor

SimEquip Ventilator software and license

Electronic user guide

#### Optional Equipment

Instructor Standalone kit: router, instructor tablet, CAE Maestro with physiology software and license (required for standalone configuration)

#### Additional Controls

Leak, breathing-circuit disconnection

### Key Features

Full range of typically monitored values

Full range of operator-adjustable parameters for each mode of ventilation common to conventional hospital ventilators

Adjustable screen layout, alarms and other settings

Provides experiential learning skills required to manage and monitor ventilation of a patient, and troubleshoot ventilator issues

17 alarms, 3 loops (pressure volume, pressure flow, volume flow), 39 numerics, 4 views, 6 waveforms (pressure, flow, volume, Edi, SpO<sub>2</sub>, CO<sub>2</sub>)

Maneuvers: Inspiratory hold, expiratory hold

### Ventilation Modes

Volume-controlled ventilation (VCV): VT, PEEP, Flow Trigger, RR, Tpause, Ti rise, I:E, FiO<sub>2</sub>

Pressure-controlled ventilation (PCV): Pi, PEEP, Flow Trigger, RR, Ti rise, I:E, FiO<sub>2</sub>

Continuous positive airway pressure + pressure support (CPAP+PS): PEEP, ΔPsupp, Flow Trigger, Ti rise, End Inspiration %, FiO<sub>2</sub>, Tapnea, Pi backup, RR backup, I:E backup

Volume support ventilation (VSV): PEEP, Flow Trigger, VT, Ti rise, End Inspiration %, FiO<sub>2</sub>, Tapnea, VT backup, RR backup, I:E backup

Neurally adjusted ventilatory assist (NAVA): PEEP, Edi Trigger, Flow Trigger, NAVA Level, FiO<sub>2</sub>, Tapnea, Pi backup, RR backup, I:E backup

Synchronized intermittent-mandatory ventilation volume control (SIMV VC): PEEP, ΔPsupp, Flow Trigger, VT, RR, Tpause, Ti rise, I:E, End Inspiration %, FiO<sub>2</sub>



## CAE SimEquip Anesthesia

### Technical Specifications

#### Standard Equipment

(To be used with adult CAE Maestro patient simulators as an add-on)

Anesthesia cart

Medical attachments (breathing circuit with mask and tracheal tube, SpO<sub>2</sub> probe, CO<sub>2</sub> sample line, O<sub>2</sub> hose, N<sub>2</sub>O hose, medical air hose, 3-lead ECG cables, IBP catheter, NIBP cuff, temperature probe)

2 monitors

SimEquip Anesthesia software and license

Electronic user guide

#### Optional Equipment

Instructor Standalone kit: router, instructor tablet, CAE Maestro with physiology software and license (required for standalone configuration)

#### Simulated Anesthetic Agents

Isflurane

Sevoflurane

Desflurane

#### Additional Controls

O<sub>2</sub> flush valve

ACGO valve

View soda lime canister control

Leak, breathing-circuit disconnection

### Key Features

Simulates delivery of multiple anesthetic agents, with realistic responses

Simulates interaction of all anesthesia machine controls, including: APL valve, manual ventilation switch, rebreather bag (inspiration), anesthetic agent vaporizers (Isoflurane, Sevoflurane, Desflurane), gas flow dials (O<sub>2</sub>, N<sub>2</sub>O, AIR)

Adjustable screen layout, alarms and other settings

36 alarms, 4 gauges, 3 loops, 51 numerics, 3 views, 5 waveforms

Full range of operator-adjustable parameters for each ventilation mode

### Ventilation Modes

Volume-controlled ventilation (VCV): PEEP, Flow Trigger, VT, RR, Tpause, Ti rise, I:E

Pressure-controlled ventilation (PCV): PEEP, Pi, Flow Trigger, RR, Ti rise, I:E

Continuous positive airway pressure + Pressure support (CPAP+PS): PEEP, ΔPsupp, Flow Trigger, Ti rise, Tapnea, Pi backup, RR backup, I:E backup

Synchronized intermittent-mandatory ventilation volume control (SIMV VC): PEEP, ΔPsupp, Flow Trigger, VT, RR, Tpause, Ti rise, I:E

Reduce medical errors. Improve performance. Enhance patient care.





## CAE SimEquip Transport Ventilator

### Technical Specifications

#### Standard Equipment

(To be used with adult CAE Maestro patient simulators as an add-on)

Transport ventilator carry bag

Medical attachments (breathing circuit with mask and tracheal tube, SpO<sub>2</sub> probe, CO<sub>2</sub> sample line, O<sub>2</sub> hose)

Student tablet

SimEquip Transport Ventilator software and license

Electronic user guide

#### Optional Equipment

Instructor Standalone kit: router, instructor tablet, CAE Maestro with physiology software and license (required for standalone configuration)

### Key Features

Full range of typically monitored values

Simulates ventilation of a simulated patient being transported

Adjustable screen layout, alarms and other settings

Provides experiential learning skills required to configure a transport ventilator, manage and monitor ventilation of a simulated patient being transported, and troubleshoot ventilator issues

17 alarms, 3 loops, 23 numerics, 3 views, 5 waveforms

### Ventilation Modes

Full range of operator-adjustable parameters for each mode of ventilation:

Volume-controlled ventilation (VCV): VT, PEEP, Flow Trigger, RR, Tpause, Ti rise, I:E, FiO<sub>2</sub>

Pressure-controlled ventilation (PCV): Pi, PEEP, ΔPsupp, Flow Trigger, RR, Ti rise, I:E, FiO<sub>2</sub>

Continuous positive airway pressure (CPAP+PSV): PEEP, ΔPsupp, Flow Trigger, Ti rise, End Inspiration %, FiO<sub>2</sub>, Tapnea, Pi backup, RR backup, I:E backup

Volume support ventilation (VSV): PEEP, Flow Trigger, VT, Ti rise, End Inspiration %, FiO<sub>2</sub>, Tapnea, VT backup, RR backup, I:E backup

Synchronized intermittent-mandatory ventilation (SIMV): PEEP, ΔPsupp, Flow Trigger, VT, RR, Tpause, Ti rise, I:E, End Inspiration %, FiO<sub>2</sub>

## CAE SimEquip Defibrillator

### Technical Specifications

#### Standard Equipment

(To be used with adult CAE Maestro patient simulators as an add-on)

Defibrillator carry bag

Therapy pads

3-lead ECG cables

Learner tablet

Software (monitor defibrillator and AED) and license

Electronic user guide

#### Optional Equipment

Instructor Standalone kit: router, instructor tablet, CAE Maestro with physiology software and license (required for standalone configuration)

Medical attachments (12-lead ECG cables, temperature probe, CO<sub>2</sub> sample line, SpO<sub>2</sub> probe, NIBP cuff, IBP catheter)

### Key Features

Full range of typically monitored values common to defibrillators and AEDs (HR, SpO<sub>2</sub>, RR, ABP, and more)

Simulates electrical therapy (defibrillation, cardioversion, pacing), with realistic responses

Adjustable alarms and other settings

Provides experiential learning skills required to deliver electrical therapy, configure a defibrillator or manage defibrillation of a patient (e.g., responding to alarms, adjusting layout based on patient mode and/or operator preference)

Pads, ECG I, II, III, aVR, aVL, aVf, V1, V2, V3, V4, V5, V6, CO<sub>2</sub>, ABP, SpO<sub>2</sub>