

# CAE

## CAE SimEquip

### Simulated Medical Equipment

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.

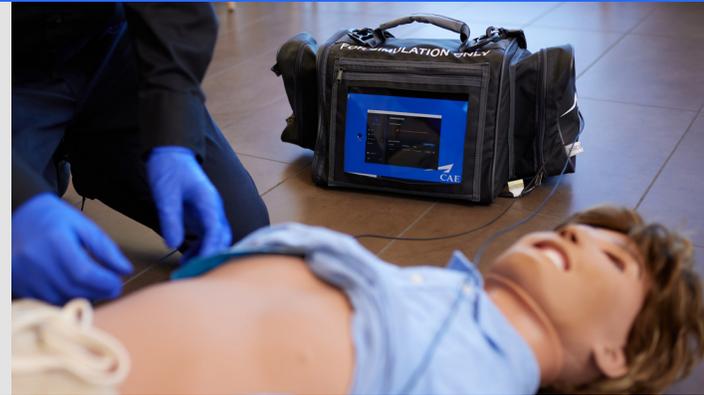
With this simulated medical equipment, learners can:

- 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.



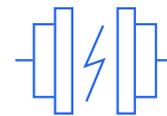
### CAE SimEquip Anesthesia

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, SpO2 probe, CO2 sample line, O2 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, SpO2, CO2)

Maneuvers: Inspiratory hold, expiratory hold

### Ventilation Modes

Volume-controlled ventilation (VCV): VT, PEEP, Flow Trigger, RR, Tpause, Ti rise, I:E, FiO2

Pressure-controlled ventilation (PCV): Pi, PEEP, Flow Trigger, RR, Ti rise, I:E, FiO2

Continuous positive airway pressure + pressure support (CPAP+PS): PEEP, ΔPsupp, Flow Trigger, Ti rise, End Inspiration %, FiO2, Tapnea, Pi backup, RR backup, I:E backup

Volume support ventilation (VSV): PEEP, Flow Trigger, VT, Ti rise, End Inspiration %, FiO2, Apnea, VT backup, RR backup, I:E backup

Neurally adjusted ventilatory assist (NAVA): PEEP, Edi Trigger, Flow Trigger, NAVA Level, FiO2, 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 %, FiO2



## 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, SpO2 probe, CO2 sample line, O2 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, FiO2

Pressure-controlled ventilation (PCV): Pi, PEEP, ΔPsupp, Flow Trigger, RR, Ti rise, I:E, FiO2

Continuous positive airway pressure (CPAP+PSV): PEEP, ΔPsupp, Flow Trigger, Ti rise, End Inspiration %, FiO2, Tapnea, Pi backup, RR backup, I:E backup

Volume support ventilation (VSV): PEEP, Flow Trigger, VT, Ti rise, End Inspiration %, FiO2, 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 %, FiO2

Reduce medical errors. Improve performance. Enhance patient care.





## 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, SpO2 probe, CO2 sample line, O2 hose, N2O 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

Isoflurane

Sevoflurane

Desflurane

#### Additional Controls

O2 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 (O2, N2O, 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

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## 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, CO2 sample line, SpO2 probe, NIBP cuff, IBP catheter)

### Key Features

Full range of typically monitored values common to defibrillators and AEDs (HR, SpO2, 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, CO2, ABP, SpO2