CAE Air1 is intended as a continuous mechanical ventilator for invasive applications with the provision of an adjustable percentage of oxygen in the breathing gas. CAE Air1 is indicated for use on adult patients in healthcare facilities, and under the supervision of trained healthcare providers.

CAE Air1 is indicated for use on adult patients with respiratory insufficiency or failure, in healthcare facilities, and under the supervision of trained healthcare providers.

* CAE Air1 is not available for sale in all locations. Please contact your representative for information.
Intended for respiratory support, monitoring and treatment of adult patients. For use by healthcare providers only, in professional healthcare facilities.

General Details

- **Base Weight**: 67 kg
- **Dimensions**: 54.7 H x 17.0 W x 13.1 D (139 cm x 43 cm x 33 cm)
- **Wheels**: 4 wheels with locks
- **Sound Pressure**: 80 DB, measured at 1 M for alarms
- **Patient Range**: Adult
- **Gas Delivery System**: Blower
- **Max Airway Pressure**: 50 cm H<sub>2</sub>O (up to 80 cm H<sub>2</sub>O in VC mode)
- **Method of Triggering**: Pressure trigger from 0.5 - 20 cm H<sub>2</sub>O
- **Inspiratory Flow Range**: Up to 100 l/min
- **PEEP Regulation**: Electronically controlled valve
- **Serviceable Life**: 10 years

User Interface

- **Type**: TFT-LCD touchscreen
- **Viewing Area**: 15”
- **Serviceable Life**: 10 years

Power Supply

- **AC Power Adaptor**: 110 - 120 VAC 60 Hz +/- 5%
- **Backup Battery**: Lead Acid Primary backup; Lithium Ion in Alarm backup rechargeable batteries
- **Battery Backup Time**: > 20 minutes
- **Typical Maximum Power Consumption**: 6 amps

Gas Supply

- **Gas Inputs**: Ambient room air and Pressurized O<sub>2</sub>
- **Inlet Gas Pressure and O<sub>2</sub>**: 344 kPa / 3.4 Bar / 45 - 87 psi
- **Connections Standards Available**: DISS
- **Patient System Gas Connectors**: Male 22 mm / Female 15 mm, in accordance with ISO 5356-1

Operating Conditions

- **Temperature**: 10°C - 35°C
- **Relative Humidity**: 10 to 85% non-condensing
- **Atmospheric Pressure**: < 2000 m altitude
- **Artificial Light**: Incandescent, Halogen, Fluorescent and LED

Display

- **Operation Views**: Fully numeric view
- **Graphs and Numerics (2)**
- **Graphs and Loops**
- **Real-Time Waveforms**: Pressure, Flow, Loops

**Introducing the CAE Air1 mechanical ventilator.**

CAE Air1 harnesses more than 70 years of engineering excellence, software innovation, best in class manufacturing, and more than a decade of training thousands of healthcare providers worldwide. 24/7 tech support is available if you ever need help. Thank you for all you’re doing to save lives.

General Details

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tidal Volume (ml)</td>
<td>200 - 1500 ml</td>
</tr>
<tr>
<td>Max Airway Pressure</td>
<td>Up to 80 cm H&lt;sub&gt;2&lt;/sub&gt;O</td>
</tr>
<tr>
<td>Respiratory Rate (Breaths/min)</td>
<td>4 - 50 bpm</td>
</tr>
<tr>
<td>I:E Ratio</td>
<td>Adjustable 1:1 to 1:4</td>
</tr>
<tr>
<td>Inspiratory Airway Pressure</td>
<td>Adjustable 10 - 50 cm H&lt;sub&gt;2&lt;/sub&gt;O</td>
</tr>
<tr>
<td>Emergency Pressure Relief Valve</td>
<td>Based on P&lt;sub&gt;peak&lt;/sub&gt; High Alarm, up to 80 cm H&lt;sub&gt;2&lt;/sub&gt;O</td>
</tr>
<tr>
<td>Inspired O&lt;sub&gt;2&lt;/sub&gt; Concentration</td>
<td>21 - 100%</td>
</tr>
<tr>
<td>Pressure Trigger</td>
<td>0.5 - 20 cm H&lt;sub&gt;2&lt;/sub&gt;O</td>
</tr>
</tbody>
</table>

Ventilation Modes

- **Controlled Ventilation**: VC (Volume Control)
- **Supported Ventilation**: PS (Pressure Support)
- **RR Backup**: Default 15 or manually configurable
- **FiO2 Backup**: Default 15 cm H<sub>2</sub>O or manually configurable
- **I:E Ratio Backup**: Default 1:2 or manually configurable

Safety Back-up Parameters

- **Positive End-Expiratory Pressure**: PEEP
- **F<sub>io2</sub>**: Fraction of Inspired O<sub>2</sub>
- **Total Respiratory Rate**: RR<sub>total</sub>
- **Inspiratory: Expiratory Ratio**: I:E
- **Inspiratory Time**: Ti
- **Inspiratory Time**: Ti
- **Mean Airway Pressure**: P<sub>mean</sub>
- **Estimated Plateau Pressure**: Estimated P<sub>plateau</sub>
- **Minute Ventilation**: MV<sub>e</sub>
- **Spontaneous Respiratory Rate**: RR<sub>sp</sub>
- **Peak Inspiratory Flow**: Peak Insp Flow

Monitoring and Data
Email for Support: caeair1support@cae.com
Customer support website: caehealthcare.com/caeair1

daehealthcare.com
For information about CAE Healthcare products in the U.S. & Canada contact your regional sales manager, visit our website or call +1 941-377-5562 or Toll-free number 866-233-6384

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