

CAREvent[®] ALS+ ALS+ CPAP

Control Module Automatic Transport Ventilators



CAREvent[®] ALS+
Part #: 01CV4000



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Part #: 01CV4000-CPAP



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The CAREvent[®] ALS+/ALS+ CPAP Automatic Transport Ventilators provide trained individuals with a safe and effective means of providing artificial ventilation during respiratory and cardiac arrest. Packaged in lightweight, portable and extremely durable control module style cases, these simple to use ventilators are designed for the demands of emergency, rescue, resuscitation and critical patient transport.

The units are self-contained and only require their attachment to a regulated oxygen supply and the attachment of a Transport Ventilator Circuit for immediate use. No batteries or electrical supply are required.

The single control for the simultaneous adjustment of ventilation frequency and tidal volume has 12 preset settings for a range of patients from 20 kg. body weight to large adults. A separate Manual/Automatic control allows the operator to turn off the automatic cycling and ventilate the patient manually.

During “mask ventilated” CPR the first breath is provided automatically followed by a manually actuated breath. This inhibits the automatic cycling for 20 seconds, allowing the rescuer to provide the 30 chest compressions required by the current resuscitation guidelines without the ventilator attempting to provide the next breath. If the Manual Button is not depressed again the automatic cycling will re-start at the selected rate and volume without any intervention by the operator being required. The manual flow rate is equivalent to the setting selected on the frequency/tidal volume control.

The patient is protected from barotrauma by the Audible Pressure Relief System, which warns of potential airway obstruction or airway restrictions. The excess delivered volume is discharged to atmosphere.

The CAREvent[®] ALS+/ALS+ CPAP include an Airway Pressure Gauge and the unique, audible and visual, pneumatic alarm for Low Input Pressure from the gas supply provides improved levels of patient safety.

In addition the CAREvent[®] ALS+/ALS+ CPAP ventilators allow the breathing patient to “Demand Breathe” on 100% oxygen at the patient’s own rate and volume. At the same time the patient’s inspiratory effort causes the automatic cycling to cease. Should the patient stop breathing, the ventilator will automatically restart cycling in the setting selected without any intervention being required by the operator.

The CAREvent[®] ALS+ CPAP has an adjustable “CPAP/PEEP” mode allowing for these two functions to be supplied by the ventilator, eliminating the need for an external PEEP valve or CPAP device.

The CAREvent[®] ALS+/ALS+ CPAP use virtually no drive gas, increasing the available amount of oxygen to ventilate the patient, and increasing the cylinder duration.

Note: To ensure proper ventilation of the patient in a weakened respiratory state, the automatic cycling shut off will only activate if the patient's inspiratory efforts are adequate.

The CAREvent[®] ALS+/ALS+ CPAP Transport Ventilators are an ideal adjunct to the skill and care of all levels of healthcare professional.

Accessories available for the CAREvent[®] ALS+/ALS+ CPAP Transport Ventilators include the CAREvent[®] Deluxe Automatic Transport Ventilator Circuit and disposable PEEP valve.

SPECIFICATIONS

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|---------------------------------------|----------------------------------|--|------------------------------------|
| Tidal Volume Range: | 100 - 650 ml | Operating Temperature: | -18°C to +50°C (0°F to 122°F) |
| Breaths Per Minute: | 20 - 10 | Storage Temperature: | -40°C to +60°C (-40°F to 140°F) |
| I:E Ratio: | 1 : 2 | Relative Humidity for Storage and operating Use: | 15 to 95% |
| Automatic Flow Rate Range: | 6 - 19.5 L/min | Input Connection: | 9/16" DISS |
| Manual Flow Rate Range: | As per Vt/BPM control setting | Patient Valve Dead Space: | 8 ml. |
| Demand Breathing Flow Rate: | 0 - 120 L/min | Gas Supply Status Indicator: | Visual & Audible |
| Demand Breathing Triggering Pressure: | -6 cm H ₂ O@ 60 L/min | Dimensions ALS+/ALS+ CPAP (inches): | 8.1 x 5.5 x 2.95 (approx) |
| Air Mix Mode (ALS+ A/M only): | 60 or 100% | (millimeters): | 205 x 140 x 75 (approx) |
| Pressure Gauge Range: | -20 to +100 cm H ₂ O | Weight: | 3.2 lbs / 1.5 Kg (approx) |
| Input Pressure: | 45 - 70 PSI (3.1 - 4.8 Bar) | | |
| Audible Pressure Relief Valve: | 60 cm H ₂ O | | |
| CPAP/PEEP: | 0 - 20 cm H ₂ O | | |

Ordering information:

01CV4000 CAREvent[®] ALS+

c/w Supply Hose, Disposable Deluxe Ventilation Circuit with PEEP Port and Universal Resuscitation Facemask

01CV4000 CPAP CAREvent[®] ALS+ CPAP

c/w Supply Hose, Disposable Deluxe Ventilation Circuit with PEEP Port, and Universal Resuscitation Facemask



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