



O-Two  
CAREvent<sup>®</sup>  
ALS

**o\_two** controlled<sup>™</sup>  
ventilation

# HANDHELD AUTOMATIC TRANSPORT RESUSCITATOR

The O-Two CAREvent® ALS handheld automatic transport resuscitator provides trained individuals with a safe and effective means of providing artificial ventilation during respiratory and/or cardiac arrest.

This pneumatically powered, time/ volume cycled resuscitator has the added feature of a manually actuated, automatic ventilation override button (manual button). The single slider control for the simultaneous adjustment of ventilation frequency and tidal volume has six, preset automatic and manual override settings for a range of patients from 20 kg body weight to large adults. An off position is provided so that they can be left attached to the gas supply with the supply turned on ready for immediate use. No electrical supply or batteries are required to operate the devices.

During mask-ventilated CPR, the first breath is delivered automatically followed by a manually actuated breath. This inhibits the automatic cycling for 20 seconds, allowing the rescuer to provide the 30 chest compressions recommended by the current guidelines for resuscitation. If the manual button is not depressed again the automatic cycling will re-start at the selected rate and volume.

Each resuscitator comes equipped with a gurney clip that allows the resuscitator to be attached to the handrail of the hospital gurney or ambulance stretcher.

The patient is protected from barotrauma due to over inflation by the audible, pressure

relief system. This warns the operator of airway obstruction or airway restrictions. The excess delivered volume is discharged to atmosphere.

The O-Two CAREvent® ALS handheld automatic transport resuscitator has the added advantage of synchronized intermittent mandatory ventilation (SIMV). This allows spontaneously breathing patients to demand breathe through the resuscitator on 100% oxygen, at their own desired rate and volume. Their inspiratory efforts will stop automatic cycling. Should the patient stop breathing, or their volume fall below the preset threshold the resuscitator will restart automatically at the selected rate and volume. Handheld, lightweight, portable, simple to use and extremely durable, the O-Two CAREvent® ALS handheld automatic transport resuscitator is specifically designed for the demands of the emergency resuscitation and rescue environment. Accessories available for the O-Two CAREvent® ALS a handheld automatic transport resuscitator includes standard and deluxe transport ventilator circuits with positive-end expiratory pressure (PEEP) ports.

Note: To ensure correct ventilation of the patient in a weakened respiratory state, when using the O-Two CAREvent® ALS, the automatic cycling shut-off will only activate if the patient's inspiratory efforts are adequate.



# SPECIFICATIONS

TIDAL VOLUME	150 - 600 ml	
BREATHS PER MINUTE	20 - 10	
I:E RATIO	1 : 2	
AUTOMATIC FLOW RATE	9.0 - 18.0 L/min	
MANUAL FLOW RATE	As per automatic setting	
MANUAL OVERRIDE DELAY TIME	17 - 23 Sec	
DEMAND BREATHING FLOWRATE	0 - 120 L/min	
DEMAND BREATHING TRIGGERING PRESSURE	-2.0 cmH <sub>2</sub> O -2.0 mBar	
INSPIRATORY RESISTANCE	-6.0 cmH <sub>2</sub> O -5.9 mBar	
EXPIRATORY RESISTANCE	6.0 cmH <sub>2</sub> O 5.9 mBar	
AUTO SHUT OFF DELAY TIME	5 - 8 Sec	
INPUT PRESSURE	45 - 87 PSI (3.0 - 6.0 Bar)	
MAXIMUM AIRWAY PRESSURE	60 cmH <sub>2</sub> O (58,8 mBar)	
OPERATING TEMPERATURE	-18 to +50°C (0 to +122°F)	
STORAGE TEMPERATURE	-40 to +60°C (-40 to +140°F)	
INPUT CONNECTION	9/16" DISS	
PATIENT CONNECTION	15 / 22 mm	
WEIGHT(APPROX)	16 OZ (0.45 Kg)(ALS) 14 OZ (0.40 Kg)(BLS)	
SIZE	140 x 63 x 73 mm 5.5" x 2.5" x 2.9"	
CYLINDER DURATION (ALUMINUM "D" SIZE CYLINDER CONTAINING 415 LITRES OF OXYGEN.)	(a) CAREvent® ALS	31 - 103 minutes
	(b) CAREvent® ALS:	69 - 138 minutes

(All specifications are subject to a tolerance of +/- 10% except the I:E Ratio which is subject to a tolerance of +/- 20% and Maximum Airway Pressure +0/-10%)



# ORDERING INFORMATION

01CV3100	CAREvent® ALS Automatic Transport Resuscitator Kit with Gurney Clip, Adjustable 0-25 L/min Regulator with 2 DISS Self-Sealing Outlets, in Moulded Case with 6 Foot Supply Hose* & Universal Resuscitation Mask (Cylinder Not Included)	Each
01CV3112	CAREvent® ALS Automatic Transport Resuscitator Kit with Gurney Clip, Adjustable 0-25 L/min Regulator with 2 DISS Self-Sealing Outlets, Statvac® II Aspirator in Moulded Case with 6 Foot Supply Hose*, Yankauer Suction Tip with Tubing and Universal Resuscitation Mask (Cylinder Not Included)	Each
01CV3200	CAREvent® ALS Automatic Transport Resuscitator Kit with Gurney Clip, Adjustable 0-25 L/min Regulator with 2 DISS Self-Sealing Outlets, in clamshell carrying case with 6 Foot Supply Hose* and Universal Resuscitation Mask (Cylinder Not Included)	Each
01CV3212	CAREvent® ALS Automatic Transport Resuscitator Kit with Gurney Clip, Adjustable, 0-25 L/min Regulator with 2 DISS Self-Sealing Outlets, 6 Foot Supply hose*, Statvac® II Aspirator in clamshell carrying case with Yankauer Suction Tip with Tubing and Universal Resuscitation Mask (Cylinder Not Included)	Each
01CV8015-CS	O-Two Deluxe Disposable Ventilation Circuit with PEEP Port - (for use with ALS, ALS+, ATV+, MRI Compatible Ventilators)	Case/10
01CV8010-CS	O-Two Disposable Ventilation Circuit without PEEP Port - (for use with EMT)	Case/10
10-55330-CS	Disposable PEEP Valve 5 - 20 cmH <sub>2</sub> O	Case/10
01PV1121	Duckbill diaphragm	Each
17MP1535-CS	Anti-entrainment ring	Case/10
17MP9039	Non-rebreathing valve cap assembly	Each
01FG6502	CAREvent® Handheld Automatic Time/Volume Cycled Resuscitator Head Harness System	Each

THIS PRODUCT HAS A TWO YEAR WARRANTY AGAINST MANUFACTURERS DEFECTS.