



# CAREvent<sup>®</sup>

## MRI / ATV+

The O-Two CAREvent<sup>®</sup> ATV+ and MRI are pneumatically powered, battery-free ventilators designed for use in pre-hospital, hospital, and air ambulance settings. These ventilators offer 144 combinations of tidal volume and respiratory rate, allowing for precise control across a wide range of patients. Their SIMV mode enables spontaneous breathing, automatically adjusting ventilation based on the patient's efforts, while the manual override supports CPR guidelines with manual ventilation and chest compressions. The CPAP/PEEP mode eliminates the need for external devices, and built-in safety alarms alert to issues like circuit disconnection or low gas pressure. The devices are air-ambulance certified and the MRI model is non-ferrous, making it suitable for MRI environments. Overall, the O-Two CAREvent<sup>®</sup> ATV+ and MRI provide reliable, user-friendly ventilation for critical care and transport.

# Battery-Free Ventilators for Critical Care

## SPECIFICATIONS

MINUTE VOLUME RANGE		2 - 14 L/min	
FREQUENCY RANGE		8 - 40 BPM	
I:E RATIO		1:2	
INPUT PRESSURE		45 - 87 PSI (3 - 6 Bar)	
AUTOMATIC FLOWRATE		6 - 42 L/min	
MANUAL FLOWRATE		6 - 42 L/min	
MANUAL OVERRIDE DELAY TIME		17 - 23 sec	
DEMAND BREATHING FLOWRATE		>100 L/min @ -6 cmH <sub>2</sub> O (hPa)	
DEMAND BREATHING TRIGGERING PRESSURE		-2 cmH <sub>2</sub> O max.	
AUTO SHUT OFF DELAY TIME		5 - 8 sec	
CPAP/PEEP		0 - 20 cmH <sub>2</sub> O	
OXYGEN CONCENTRATION		60 OR 100 %	
INSPIRATORY/EXPIRATORY RESISTANCE		< 6cmH <sub>2</sub> O (hPa) @ 60 L/min	
OPERATING TEMPERATURE		-18°C to + 50°C 0°F to +122°F	
STORAGE TEMPERATURE		- 40°C to + 60°C - 40°F to + 140°F	
GAS SUPPLY STATUS INDICATOR		Provides a visual indication of Gas Supply Status	
PRESSURE RELIEF RANGE		20 - 60 cmH <sub>2</sub> O 19.6 TO 58.8 mBar	
LOW INPUT PRESSURE ALARM		Audible pulsed alarm to indicate input pressure is dropping below the minimum requirement. Cannot be switched off	
AIRWAY PRESSURE ALARM		Audible alarm to indicate that the selected peak airway pressure has been reached	
BSI ALARM		Audible high frequency pulsed alarm indicating that the patient circuit is disconnected or insufficient ventilation pressure (<10 Cmh <sub>2</sub> o) has been attained	
PRESSURE GAUGE ACCURACY		± 2% Full Scale	
INPUT CONNECTION		9/16" DISS	
PATIENT CONNECTION		15 / 22 mm	
DIMENSIONS		9.27 x 7.6 x 4.4 inches 236 x 194 x 112 mm	
WEIGHT		2.84 Kg Approx for ATV+ 3.0 Kg Approx for MRI	
PATIENT VALVE DEAD SPACE		8 ml	
CYLINDER DURATION (ALUMINUM "D" SIZE CYLINDER CONTAINING 415 LITRES OF OXYGEN.)	ON 100% SETTING	(a) 2 LITRE Mv	207 minutes
		(b) 14 LITRE Mv	30 minutes
	ON 60% SETTING	(a) 2 LITRE Mv	345 minutes
		(b) 14 LITRE Mv	50 minutes



## ORDERING INFORMATION

01CV7000	CAREvent® MRI Conditional Transport Ventilator c/w Adjustable 20 - 60 cm H <sub>2</sub> O Pressure Relief System, Low Pressure Visual and Audible Alarm, Air Mix, Adjustable CPAP/PEEP, Breathing System Integrity (BSI) Alarm, 6' Supply Hose*, Deluxe Disposable Ventilation Circuit, Calibrated Test Lung & Universal Mask	Each
01CV6000	CAREvent® ATV+ Automatic Transport Ventilator c/w Adjustable 20 - 60 cm H <sub>2</sub> O Pressure Relief System, Low Pressure Visual and Audible Alarms, Air Mix, Adjustable CPAP/PEEP, Breathing System Integrity (BSI) Alarm, 6' Supply Hose*, Deluxe Disposable Ventilation Circuit, Calibrated Test Lung and Universal Resuscitation Mask	Each
01CV8015-CS	O-Two Deluxe Disposable Ventilation Circuit with PEEP Port (for use with ALS, ALS+, ATV+, MRI Compatible Ventilators)	Case/10
01CV8016-CS	O-Two CAREvent® MRI Ventilation Circuit with PEEP Port and 10 Foot Hose	Case/10
01CV8010-CS	O-Two Disposable Ventilation Circuit without PEEP Port (for use with EMT)	Case/10
17MP8690-CS	Air Intake Filter and Cover for CAREvent® ATV, ATV+, MRI Compatible Ventilators	Case/10
01TA1852	O-Two Medical 1 Litre Test Lung	Each
01FV4303-DISS	Oxygen Supply Hose	Each

THIS PRODUCT HAS A TWO YEAR WARRANTY  
AGAINST MANUFACTURERS DEFECTS.

### ENHANCED SPECIFICATION FOR THE O-TWO CAREVENT® MRI:

Tested in an MRI environment to maximum static magnetic field strength of 3.0 Tesla



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EC REP

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ventilation