



# O-Two CAREvent<sup>®</sup> CA

Chemical Agent Resuscitation Environment Ventilator

Automatic ventilation for an unsafe world

The threat of a chemical-agent release in a crowded area has presented new challenges over the last few years. This environment is as dangerous as that which may be encountered during confined space entry in the industrial setting in atmospheres that are Immediately Dangerous to Life or Health (IDLH). The O-Two CAREvent® CA chemical agent resuscitation environment ventilator has been developed to meet these challenges.

The O-Two CAREvent® CA has only one external control. The chemical agent and IDLH environments are considered to be so hazardous that the less the rescuer has to do to ventilate the patient, the quicker the patient can be resuscitated and the greater the chance for the patient's survival.

With the O-Two CAREvent® CA, all that is required is to turn on the oxygen/air supply, apply the mask to the patient's face and secure the airway. The O-Two CAREvent® CA will provide automatic ventilation to the non-breathing patient at a rate and volume designed to provide adequate oxygenation while reducing the risk of gastric insufflation, in accordance with the current guidelines for resuscitation.

The micro-pneumatic circuitry of the O-Two CAREvent® CA requires no batteries or electrical supply to operate. Should the patient start spontaneous breathing, the demand breathing feature of the O-Two CAREvent® CA allows the patient to breathe at his or her own rate and volume. The patient's inspiratory effort (if adequate) will also cause the automatic circuit shut-off to stop the automatic cycling of the resuscitator, allowing the patient to breathe at her or his own rate and volume. If the patient stops breathing again, the automatic cycling will restart with no action required by the rescuer.

A manual override button is provided on the O-Two CAREvent® CA to allow for the provision of two breaths followed by 30 chest compressions during CPR in accordance with the current resuscitation guidelines. In addition, it can also be used to supplement spontaneous ventilations if required.

An additional feature of the O-Two CAREvent® CA is the 2 L/min mask purge, bleed flow. This reduces the risk of the patient drawing in toxic ambient air into the mask should a leak occur in the mask-to-face seal. By combining this simplicity of operation with technological sophistication, the O-Two CAREvent® CA provides trained individuals with a safe and effective means of maintaining artificial ventilation during respiratory arrest, which may occur during confined space entry or a toxic chemical agent release.

Accessories available for the O-Two CAREvent® CA include the head harness system, which assists in maintaining a mask-to-face seal during extrication and transport and to provide hands-free operation. Also available are the deluxe transport ventilator circuit with positive end expiratory pressure (PEEP) port and the gurney clip, which allows the device to be attached to the handrail of the gurney or emergency stretcher during transport.

**Warranty:** This product has a two-year warranty against manufacturer's defects.

**Note:** This device is intended for use by persons trained in CPR and in the use of this device.

## Specifications

Tidal Volume:	500 ml
Breaths per Minute:	10
I:E Ratio:	1:2
Automatic Flow Rate Range:	15 L/min
Manual Override Delay Time:	20 seconds (+/- 15%)
Demand Breathing Flow Rate:	Minimum 120 L/min
Auto Shut Off Delay Time:	5 - 8 seconds
Inspiratory Resistance:	> -6 cmH <sub>2</sub> O
Relief Valve Pressure:	60 cmH <sub>2</sub> O at 60 L/min
Input Pressure:	45-87 PSI (3.1-6.0 BAR)
Operating Temperature:	-18 to 50°C (0 to 122°F)
Storage Temperature:	-40 to 60°C (-40 to 140°F)
Input Connection:	9/16 in DISS
Patient Connection:	15/22 mm
Patient Valve Dead Space:	8 ml
Dimensions (inches):	5.5 x 2.5 x 2.9 in (approx.)
(millimeters):	140 x 63 x 73 mm (approx.)
Weight:	16 oz / 450 g (approx.)

## Ordering Information

**01CV3000-CA O-Two CAREvent® CA Rescue Resuscitator** Including: supply hose\* and universal facemask

### SUPPLY HOSES WITH EUROPEAN CONNECTIONS

(\*Select the required hose for your country)

<b>01FV4303-AFNR</b>	6 Foot (1.85 Meter) Supply Hose with AFNOR Fitting and 9/16" DISS Nut Ventilator Connection
<b>01FV4303-AGA</b>	6 Foot (1.85 Meter) Supply Hose with AGA Fitting and 9/16" DISS Nut Ventilator Connection
<b>01FV4303-CZCH</b>	6 Foot (1.85 Meter) Supply Hose with CZECH Fitting and 9/16" DISS Nut Ventilator Connection
<b>01FV4303-DIN</b>	6 Foot (1.85 Meter) Supply Hose with DIN Fitting and 9/16" DISS Nut Ventilator Connection
<b>01FV4303-DISS</b>	6 Foot (1.85 Meter) Supply Hose with DISS Fitting and 9/16" DISS Nut Ventilator Connection
<b>01FV4303-UNFR</b>	6 Foot (1.85 Meter) Supply Hose with UNIFOR Fitting and 9/16" DISS Nut Ventilator Connection
<b>01FV4303-BM</b>	6 Foot (1.85 Meter) Supply Hose with BRITISH Fitting and 9/16" DISS Nut Ventilator Connection



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