

CAREvent[®] CPAP

Continuous Positive Airway Pressure System



***"Compact, non-invasive ventilation
for the respiratory distressed patient"***



"INNOVATION IN RESUSCITATION"

CAREvent® CPAP

The "Handheld" CAREvent® CPAP (Continuous Positive Airway Pressure) system provides superior CPAP delivery in a simple, compact device that can fit easily into your existing oxygen kit. The "ease of use" design concept and **unique single use patient circuit with face mask, head harness and airway pressure gauge** makes application and operation of the CAREvent® CPAP extremely simple for the rescuer and more comfortable and less distressing for the patient.

CPAP has been proven to provide an effective method of treating respiratory distress from CHF, Asthma, COPD and pneumonia without having to intubate the patient. This is achieved by forcing fluid out of the alveolar space back into the interstitium, "splinting" open the alveoli, preventing alveolar collapse and allowing unimpeded alveolar ventilation. This provides more surface area for gas exchange, improving diffusion and oxygen uptake.

CPAP improves the patient's breathing, decreases pre-load and after-load of the heart, improves lung compliance, increases functional residual capacity, and decreases work of breathing. By providing mask CPAP the early improvement in the patient's breathing reduces the need for drug interventions, intubation and ICU admission.

The "Handheld" CAREvent® CPAP provides incredible CPAP quality for such a small device. By minimizing the pressure drop on inspiration and the peak pressure on expiration producing a more uniform CPAP pressure throughout the respiratory cycle. This provides a lower work of breathing for the patient when compared to other, commonly used, pre-hospital devices.

The design of the "Handheld" CAREvent® CPAP, pneumatic circuitry minimizes gas consumption conserving oxygen and increasing cylinder duration - 55 minutes at 7.5 cm H₂O CPAP setting, unlike Downs Flow Generators and disposable constant flow devices that average 20 minutes.

The adjustment of the CPAP pressure is by a **single control** situated on the top of the unit (no need for separate single setting PEEP Valves that must be changed whenever a setting adjustment is required). To set the CPAP level, simply adjust the control until the desired rise in baseline pressure registers on the airway pressure gauge located on the mask providing for optimal patient monitoring at all times.

"Handheld" CAREvent® CPAP Features:

- **Small and lightweight.**
- **Low oxygen consumption.**
- **Decreased Work of Breathing.**
- **Easy adjustment of CPAP setting.**
- **Easily visible airway pressure gauge.**
- **Comfortable and secure head harness.**
- **"Gurney Clip" for stretcher attachment.**
- **Fits into existing oxygen kits.**

Ideal for the short to medium term treatment of the respiratory impaired patient suffering from CHF, PE, COPD or Asthma, the "Handheld" CAREvent® CPAP is a simple, cost effective alternative to invasive ventilation and possible intensive care admissions.

SPECIFICATIONS

CPAP/PEEP:	0 - 20 cm H ₂ O	Input Pressure:	45 - 87PSI / 3.1 - 6.0 Bar
Demand Breathing Flow Rate:	0 - 140 L/min	Patient Valve Dead Space:	8 ml.
Demand Breathing Triggering Pressure:	-6cm H ₂ O@60 L/min	Dimensions (inches):	5.5"x 2.5"x 2.9" / 140 x 63 x 73mm
Weight:	16.0 Oz. / 0.45 Kg.	Pressure Gauge Range:	0 - 25 cm H ₂ O
Operating Temperature:	-18°C to +50°C 0°F to 122°F	Patient Circuit Length	
Storage Temperature:	-40°C to +60°C -40°F to 140°F	Collapsed:	12" / 30 cm.
Relative Humidity for Storage and Operating Use:	15 to 95%	Expanded:	36" / 90 cm.
		Patient Circuit Connection:	15/22ml
		Input Connection:	9/16" DISS

Ordering Information:

- 01CV0200 CAREvent® CPAP c/w compact, handheld, control module, 6 foot supply hose and single use patient circuit with airway pressure gauge, medium face mask and head harness.
- 01CV8006-cs Single Use CPAP Patient Circuit (Large) c/w face mask, airway pressure gauge and head harness (Case/ 10)
- 01CV8007-cs Single Use CPAP Patient Circuit (Medium) c/w face mask, airway pressure gauge and head harness (Case/10)
- 01CV8008-cs Single Use CPAP Patient Circuit (Large) c/w face mask, airway pressure gauge and head harness (Case/10)
- 01CC8013 CAREvent® CPAP Softpack Carrying Case with handle



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