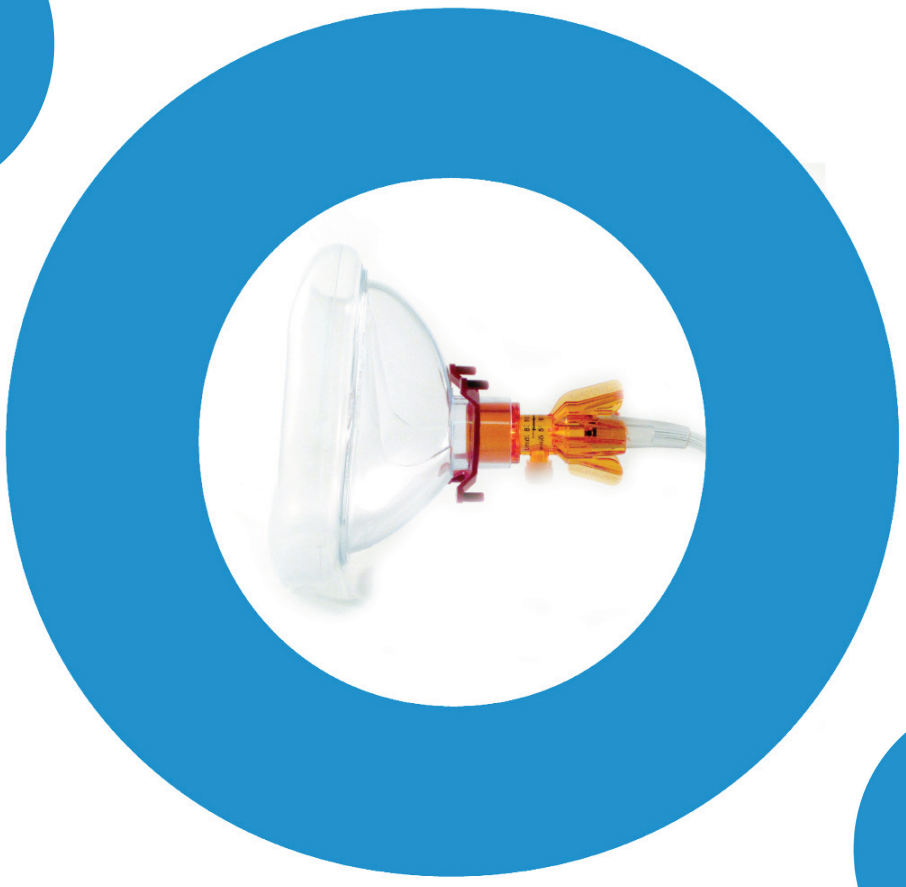
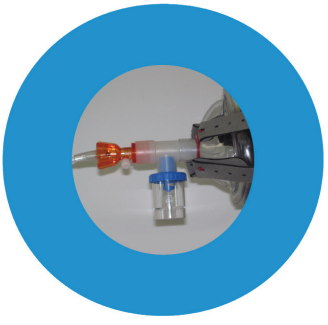
o_two™ controlled ventilation

The "Award Winning" o_two™ Single-Use "Open Circuit" CPAP Delivery System

2011 EMSWORLD INNOVATION AWARD



EMS PRO TOP PRODUCTS



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

CPAP has been proven to provide an effective method of treating respiratory distress from CHF. The use of CPAP is now being extended to other respiratory problems to provide symptom relief and avoid the need for intubation and ventilation of the patient and ICU admission.

The o_two™ Single-Use "Open CPAP" Delivery System provides incredibly accurate CPAP delivery for such a compact device. By minimizing the pressure drop on inspiration and the peak pressure on expiration, the o_two™ Single-Use "Open CPAP" Delivery System produces 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.

Easy to Use

The adjustment of the CPAP level is achieved by adjusting the output flow from your oxygen therapy regulator or wall outlet. The setting selections noted on the device provide an accurate constant airway pressure at each flow setting:

Flow Rate (L/min):	**8**	**10**	**12**	**15**	**20**	**25**
Pressure (cm H_2O):	**5.0**	**8.0**	**10.0**	**15.0**	**18.0**	**20.0**
O_2 %	**45%**	**50%**	**55%**	**65%**	**70%**	**75%**

As this is an "Open" system, the device allows un-restricted inspiratory flows, since the patient has access to ambient air.

Nebulizer treatments can be provided "in line", with the nebulizer positioned between the face mask and the CPAP unit.

A Luer port is located on the device to attach a pressure gauge. However, the accuracy of the CPAP level, at the fixed flow settings noted on the device, makes the use of a gauge un-necessary.

The ambient air intake port and the location of the in-line oxygen hose are designed to eliminate the possibility of accidental occlusion, removing the risk of barotrauma due to the patient or rescuer inadvertently blocking the port.

Ideal for the treatment of the respiratory impaired patient suffering from a range of obstructive pulmonary diseases, the o_two CPAP System is a simple, cost effective alternative to invasive ventilation and possible intensive care admissions.

o_two™ CPAP Advantages:

- **Small and lightweight -**
  Complete system weighs only 4oz (0.1 Kg)
- **Low oxygen consumption -**
  Only 8 - 25L/min for 5 - 20 cm H_2O of CPAP
- **Simple to use -**
  Flow control adjustment to set CPAP level
- **Wide CPAP range -**
  5 - 20 cm H_2O
- **No Ambulance Downtime in ER -**
  Simply attach to the ER oxygen supply.
- **Decreased Work of Breathing -**
  Open circuit imposes no work on the patient
- **Comfortable and secure head harness -**
  Soft, conforming Neoprene material does not slip.
- **Small size -**
  Fits into existing oxygen kits and storage compartments
- **Cost effective -**
  Low purchase price and low oxygen consumption compared to other devices.

SPECIFICATIONS

CPAP range:	0 - 20 cm H_2O	Operating Temperature:	-18°C to +50°C (0°F to 122°F)
Required therapy flowrate:	8 - 25 L/min		
Dimensions (CPAP device only):	1.6" dia x 2.3" (40.6mm dia x 58.3 mm)	Storage Temperature:	-40°C to +60°C (-40°F to 140°F)
Weight with Face Fask and Tubing:	4 Oz. (0.1 Kg.)	Relative Humidity for Storage and Operating Use:	15 to 95%
Input Connection:	Oxygen Therapy Barb	Patient Face Mask Connection:	22ml

ORDERING INFORMATION:

01CV0211-cs	o_two CPAP System (Large Adult) c/w face mask (size 5) and head harness (Case/10)
01CV0212-cs	o_two CPAP System (Small Adult) c/w face mask (size 4) and head harness (Case/10)
01CV0213-cs	o_two CPAP System (Child) c/w face mask (size 3) and head harness (Case/10)

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