

	Cincinnati Fire Department Fire Training Supplement DRILL BOOK	SECTION #6 EMS Equipment
Date: May 2018 Section #: 6	TOPIC TITLE: CPAP System	Total Pages: 2 Topic #: 9

TOPIC # 9: Continuous Positive Airway Pressure (CPAP) System

Description:

The system delivers continuous positive airway pressure (CPAP) throughout the breathing cycle of the patient. Device is intended for spontaneously breathing patients and there is no assembly of the device required. Use of the device is to be adherent to the Southwest Ohio EMS Protocols.

CFD units are issued the system which consists of the following components:

- Oxygen cylinder w/ appropriate regulator (as pictured)
- Fixed CPAP Generator with filter
- 72" Accordion-style tubing
- Large mask w/ straps
- Nebulizer attachment w/ oxygen tubing
- Small mask (option)
- CFD issue CPAP bag

Notes:

- CFD CPAP bag is to be issued and should contain 1 FULL portable oxygen cylinder with appropriate regulator (see photo) attached and O2 wrench inside bag. Bag will also contain 1 small mask as an option for patients with smaller facial area.
- CPAP generator w/ tubing is to be screwed into the regulator on tank and inside bag ready to be deployed by responding members. Both masks are to remain inside plastic zippered bags and removed only when applying to the patient.
- Nebulizer attachment comes with system and should remain inside bag. NO other oxygen delivery items i.e. hand-held nebulizers, spare tubing, nasal cannulas, or non-rebreathers, etc should be stored inside bag.
- CPAP inside of a medic transport should remain on the portable system/regulator and per manufacturer recommendations, NOT be placed on wall-mounted regulators with "trees" removed. This may require an exchange to a second system and patient destination should be considered based on time of travel.

- Due to the need to periodically check this system for functionality it is NOT recommended or required that companies “seal” CPAP bags.



- Correct regulator that should be standard for ALL portable cylinders. **Note small male nipple for devices and threaded fittings for CPAP.



- Old style regulator with male nipple fitting. Unable to use CPAP and should be replaced.



- CFD issue CPAP bag and kits as they come from Central Stores. Lg kit on left is opened and attached so as ready to deploy.



- CPAP system attached to cylinder and ready to be attached to mask on patient. Nebulizer and O2 line also shown.



Close-up to left shows attachment of nebulizer to CPAP system as well as PEEP settings at top of image. 10cm H₂O is setting for CPAP patients.