

## Instructions for the Chemical Warfare Patient Protective Wrap

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1. **Background:** Many protective garments have been developed for military personnel; however, protection for patients who are unable to wear standard chemical protective garments was lacking. The Chemical Warfare Patient Protective Wrap was developed to satisfy this requirement. The addition of the blower unit serves as a modification for the improvement of the performance of the Patient Wrap by increasing airflow to the patient.

### 2. **Description:**

a. The Wrap resembles a lightweight sleeping bag. It is 107cm wide x 249cm long and weighs 2.7kg. It is constructed of a permeable sheet of carbon-impregnated fabric and an impermeable bottom sheet. The top sheet has an impermeable transparent window to permit observation of the patient during transit. A port to provide a protective entryway for the insertion of IV tubing is located at each side of the window.

b. The blower unit is a small, lightweight unit providing a continuous flow of clean, filtered air for breathing. The benefit of the addition of this item is a considerable reduction in the danger of heat stress on the casualty, and an increase in the operational effectiveness of the wrap while in hot climates.

c. The system consists of:  
Wrap, Patient, Chemical Protective (NSN 6530-01-383-6260)

Blower, Lightweight (NSN 4240-01-442-8415)

Hose Assembly (NSN 4240-01-442-2314)

3. These instructions will serve to provide guidance on:

- a. Insertion of the hose into the patient wrap.
- b. Illustration of blower and filters connected to hose.
- c. Identification of the battery cap.
- d. Identification of hose types.
- e. Installation of the battery into the blower unit.

### **NOTICE**

**It is highly recommended that you read and understand the instruction manual for the unit before attempting to assembly and use.**

### 4. Insertion of Hose into Wrap



- a. Open the bag so that the face plate (at the head of the bag) is exposed.
- b. Open the zipper, under the overflap (Velcro closure), enough to insert the hose.
- c. Insert the end of the hose.
- d. Close the zipper tight against the hose.
- e. Fasten the Velcro closures.

5. Illustration of blower and filters connected to hose.



Blower with Filter and Hose Connected

6. Identification of the battery cap. The unit is provided with two battery caps, one black and one green. The **green** cap should be used with battery provided.



Green Battery Cap

**CAUTION**  
**The black battery cap will not work properly with the rechargeable battery (Part Number S-20036-001) provided with unit.**

7. Identification of hose types. This unit will be supplied with one of two types of hoses; one with a screw fitting and one with a plain end. Both types insert into the bag in the same manner as outlined above.



Hose Variations

8. Installation of the battery into the blower unit.

- a. The figure below shows the battery connector port on the rechargeable battery, supplied with the unit.



**Battery Connector Port**

9. For additional information, you may contact:

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b. The figure below illustrates the proper insertion of the battery into the battery compartment of the blower.



**Battery Inserted Into Battery Compartment**