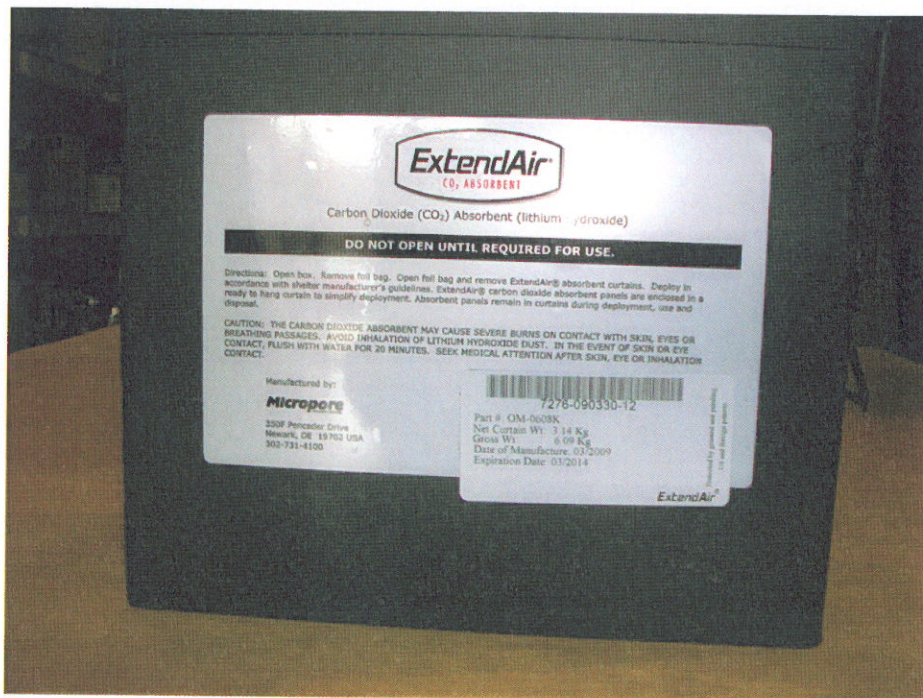


MICROPORE EXTENDAIR® CURTAIN OM-0608K OPERATIONS AND MAINTENANCE



Revision 0
17 April 2007

Revision History

Revision Number	Date	Changes
0	4/17/2007	Original Issue

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INTRODUCTION

Micropore ExtendAir® curtains part number OM-0608K are designed to passively remove carbon dioxide (CO₂) from refuge alternative systems. The CO₂ absorbing curtains are packaged in a metal ammo box. Inside this box is a sealed foil bag that contains 8 six panel curtains. The foil bag serves as the second layer of protection (after the ammo box) to prevent curtains from accidental exposure to air/ CO₂. Each curtain contains six solid sheets of ExtendAir ® absorbent wrapped in a non-woven material. The curtains are fan folded when stored inside the ammo box. The individual absorbent curtains are stapled to the non-woven material that serves as a barrier to prevent skin contact. The non-woven cover does not block the transfer of CO₂ into the absorbent.

In addition to the 8 curtains each OM-0608K box contains 4 hangers to deploy the curtains. The hangers have 2 clips and are used to hang 2 curtains.

The ammo box lid is secured with a latch and lead seal/lock wire. The seal is used to indicate the box has not been tampered with during storage or transportation.

Each box of OM-0608K is labeled with a bar code uniquely identifying this item. This label also includes the weight of each box. General operating instructions, shipping regulations and hazardous materials labels are also included on each box.

Figure 1 provides the drawing and parts list for PM-0608K.

OPERATIONS

WARNING: BEING INSIDE A SEALED SHELTER IS DANGEROUS. IT RELIES ON LIFE SUPPORT SYSTEMS TO MAINTAIN AN ENVIRONMENT THAT WILL SUSTAIN LIFE. THESE SYSTEMS INCLUDE BUT ARE NOT LIMITED TO REMOVING CO₂, PROVIDING ADEQUATE OXYGEN, MAINTAINING ACCEPTABLE TEMPERATURES AND FILTERING OTHER UNWANTED CONTAMINANTS (INCLUDING CO) FROM THE AIR. FAILURE TO FOLLOW DIRECTIONS CAREFULLY, OR TO OBSERVE THE PRESCRIBED TIME LIMITATIONS CAN RESULT IN SUFFOCATION, SEVERE HARM, OR DEATH. FAILURE TO SEAL THE CONFINED SPACE COMPLETELY MAY CAUSE THE SYSTEM TO FAIL BECAUSE TOXIC SUBSTANCES MAY ENTER THE CONFINED AREA AND/OR OXYGEN MAY ESCAPE FROM THE AREA. USING EXTENDAIR® CO₂ ABSORBENT INCORRECTLY CAN CAUSE SUFFOCATION AND DEATH. DO NOT OPEN EXTENDAIR® FOIL PACKAGE UNTIL YOU ARE READY TO USE IT. IF THE EXTENDAIR® CO₂ ABSORBENT FOIL PACKAGE IS TORN OR DAMAGED DO NOT USE. EXTENDAIR® CO₂ ABSORBENT IS NOT REUSABLE. THIS EXTENDAIR® CO₂ ABSORBENT CONTAINS LITHIUM HYDROXIDE. DO NOT INGEST.

1. Review shelter manual. Follow shelter guidelines for hanging curtains.
2. Identify the location to hang curtains. Select an area where rescuees will not rub up against the curtains.

CAUTION: DO NOT OPEN UNTIL READY FOR USE. ONCE THE FOIL BAG IS OPENED THE CURTAINS WILL BEGIN REMOVING CARBON DIOXIDE, CO₂.

3. Open the ammo box is by pulling up firmly on the handle. The lockwire/lead seal will break.
4. Remove the 4 hangers and foil bag of curtains.

CAUTION: THE CARBON DIOXIDE ABSORBENT MAY CAUSE SEVERE BURNS ON CONTACT WITH SKIN, EYES OR BREATHING PASSAGES. AVOID INHALATION OF LITHIUM HYDROXIDE DUST. IN THE EVENT OF SKIN OR EYE CONTACT, FLUSH WITH WATER FOR 20 MINUTES. SEEK MEDICAL ATTENTION AFTER SKIN, EYE OR INHALATION CONTACT

5. Open foil bag and remove the 8 curtains.

6. Unfold 2 curtains and clip to a hanger. Absorbent panels remain in the non-woven curtains during deployment, use and disposal.
7. Hang curtains; space 1 to 2 inches apart. Deploy in accordance with shelter guidelines. ExtendAir® carbon dioxide absorbent panels are enclosed in a ready to hang non-woven curtain to simplify deployment.
8. When used curtains are taken down, fold and retain for disposal.
9. To dispose of curtains : React by opening foil packaging and let sit for 2 days, then dispose of properly, in accordance with local regulations. Reacted ingredients contain Lithium Carbonate. Keep out of the reach of children.

MAINTENANCE

1. Deployed curtains require no maintenance or inspections.
2. Inspect the ammo box for correct physical condition/lack of damage. Inspect:
 1. Lock wire and seal intact
 2. Box is not severely dented or misshaped
 3. There are no holes in ammo box
 4. There is no serious rust or corrosion
 5. The bar code and box weight label are legible

WARNING: AMMO BOXES WITH HIGH WEIGHT HAVE BEEN CONTAMINATED WITH MOISTURE/CARBON DIOXIDE AND WILL HAVE LOW CAPACITY.

3. Check gross weight of box. The box weight must be $\pm 3\%$ of gross weight value printed on box label. Weight gain is indicative of air leaking into the box and partially contaminating the curtains.

PARTS LIST

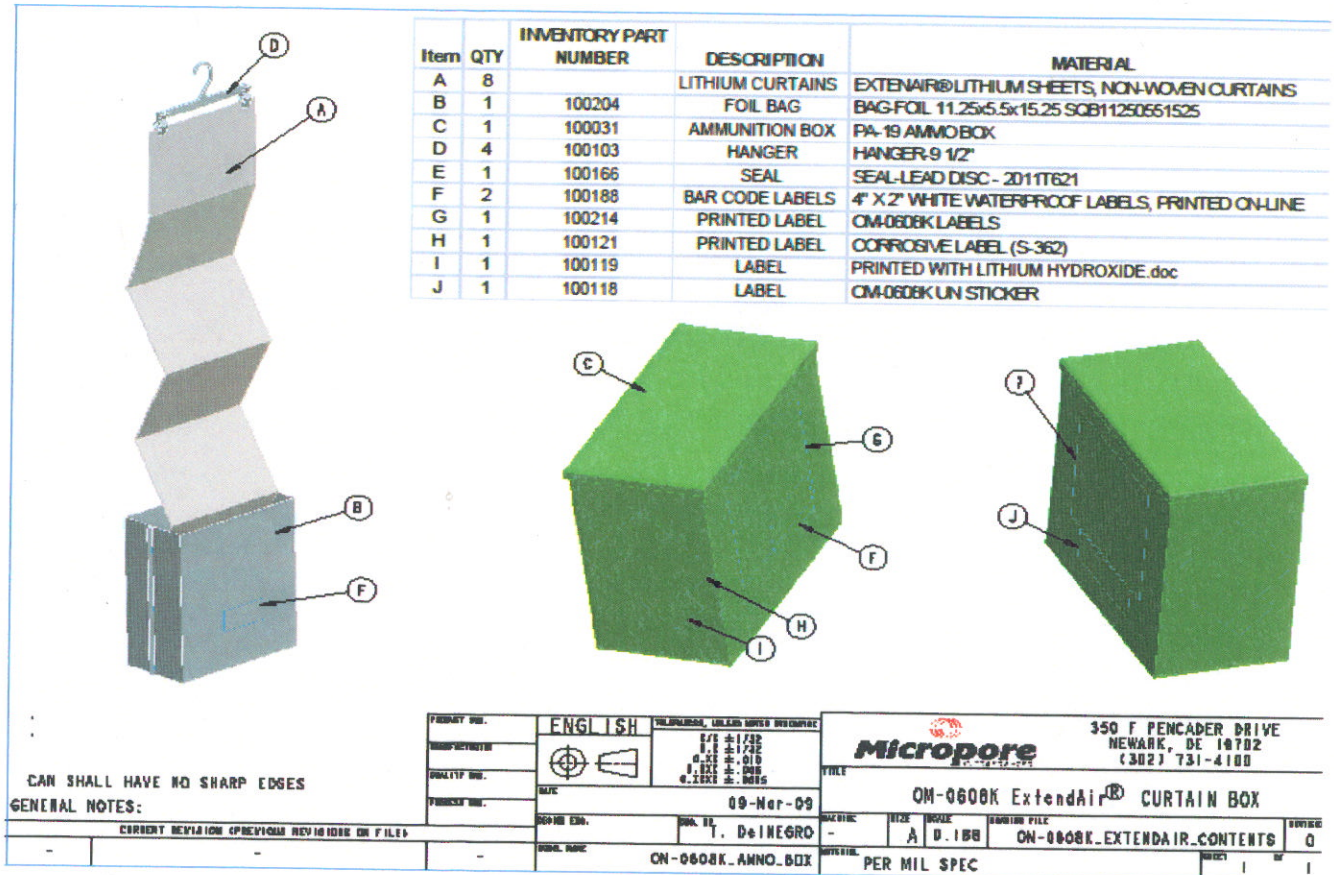


Figure 1. Micropore Drawing OM-0608K