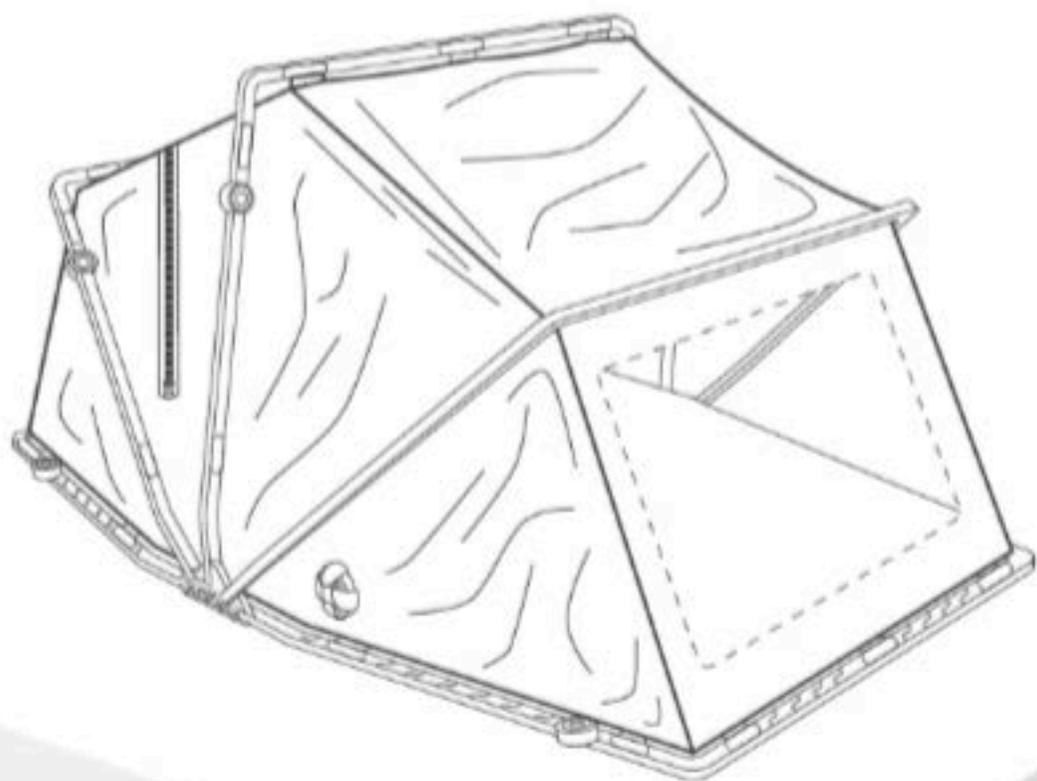


MIRA[®]
SAFETY

FIRSTBREED COLLAPSIBLE

CBRN ANIMAL ARK



RD020722

FOR YOUR SAFETY

Strictly follow this instruction manual while using your FirstBreed Collapsible CBRN Animal Ark. The user must fully understand and strictly follow the instructions. Use the FirstBreed Collapsible CBRN Animal Ark only for the purposes specified in this document.

The FirstBreed Collapsible CBRN Animal Ark is designed for use with 40 mm NATO Standard filter cartridges. Filter elements **MUST** be functioning properly for your FirstBreed Collapsible CBRN Animal Ark to work as designed. Please consult the manufacturer instructions for the filter cartridges before using or testing them with your FirstBreed Collapsible CBRN Animal Ark.

Do not discard these instructions. Keep them with the mask and ensure they are followed while using your FirstBreed Collapsible CBRN Animal Ark.

Comply with all local and national rules and regulations associated with PPE and animal care.

Only trained and competent personnel are permitted to inspect, repair, and service the product as detailed in the Maintenance section of this document.

Notify MIRA Safety in the event of any component fault or failure.

NOTE

The CBRN Animal Ark requires a separate Powered Air-Purifying Respirator (PAPR) unit in order to function. The CBRN Animal Ark will **NOT** function or provide protection without a PAPR. MIRA Safety recommends the MB-90 PAPR and has performed extensive testing to ensure compatibility.

LIABILITY FOR PROPER FUNCTIONING OR DAMAGE

Liability for the proper functioning of this equipment is irrevocably transferred to the owner or operator to the extent that it has been improperly serviced or repaired by personnel not employed or authorized by MIRA Safety or it has been used in a matter not aligned with its intended use. MIRA Safety cannot be held responsible for damage caused by non-compliance with the recommendations in this manual.



WARNING

THIS PRODUCT IS NOT DESIGNED FOR HUMAN USE! DO NOT UNDER ANY CIRCUMSTANCES USE THIS FOR BABIES, INFANTS, OR SMALL CHILDREN. DOING SO MAY RESULT IN SERIOUS INJURY OR DEATH.



WARNING

IMPROPER USE OF THIS EQUIPMENT MAY RESULT IN PERSONAL INJURY OR DEATH. IMPROPER USE INCLUDES, BUT IS NOT LIMITED TO, USING THE UNIT WITHOUT A POWERED AIR-PURIFYING RESPIRATOR, USE IN ATMOSPHERES CONTAINING UNKNOWN CONTAMINANTS AND/OR UNKNOWN CONCENTRATIONS OF CONTAMINANTS, USE WITHOUT ADEQUATE TRAINING, DISREGARD OF THE WARNINGS AND INSTRUCTIONS CONTAINED HEREIN OR FAILURE TO INSPECT AND MAINTAIN THIS EQUIPMENT. THIS RESPIRATOR IS NOT INTENDED FOR USE BY HUMANS, IN ATMOSPHERES WHICH ARE, OR MAY BECOME, IMMEDIATELY DANGEROUS TO LIFE OR HEALTH, OR IN ATMOSPHERES WHERE THE IDENTITY AND/OR CONCENTRATION OF THE CONTAMINANT IS UNKNOWN.



WARNING

DO NOT OPERATE THIS EQUIPMENT WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR ANY OTHER MEDICATIONS OR SUBSTANCES THAT MAY AFFECT VISION, DEXTERITY, OR JUDGMENT. USERS OF THIS EQUIPMENT MUST BE IN GOOD PHYSICAL AND MENTAL HEALTH IN ORDER TO OPERATE IT SAFELY. DO NOT USE THIS EQUIPMENT WHEN FATIGUE PREVENTS SAFE OPERATION. STAY ALERT WHEN OPERATING THIS EQUIPMENT. INATTENTION OR CARELESSNESS WHILE OPERATING THIS EQUIPMENT COULD RESULT IN SERIOUS INJURY OR DEATH.

DESCRIPTION

The MIRA Safety FirstBreed Collapsible CBRN Animal Ark is a reusable enclosure designed to protect pets from exposure to chemical and biological agents as well as radioactive dust particles.

The MIRA Safety FirstBreed Collapsible CBRN Animal Ark is constructed from laminate-230 and has a single entrance and 4 transparent squares for visibility. With an interior volume of 400 liters, it is equipped to contain animal(s) weighing up to a total of 10 kilograms (22 pounds). It folds flat for storage and can be quickly deployed in seconds.

The MIRA Safety FirstBreed Collapsible CBRN Animal Ark is designed for use with a Powered Air-Purifying Respirator (PAPR) unit that provides sufficient airflow to create a positive pressure environment inside the kennel. MIRA Safety highly recommends the MB-90 PAPR for this purpose, as it can operate for up to 12 hours on a single set of fresh batteries and provides 90 liters of air per minute. We have extensively tested this PAPR and can confirm its effectiveness with the CBRN Animal Ark.

This unit has been tested with, and is designed for protection of, small animals including dogs, cats, and birds. It can also be used to protect rodents and reptiles like lizards, but their enclosure must fit within the enclosure without exceeding the 10 kilogram weight limit.

MIRA Safety Customer Service is always standing by to address your questions, concerns, and warranty service needs. If you need help, don't hesitate to contact us at 888-316-1462 or Support@MiraSafety.com.



WARNING

RESPIRATORS CAN BE USED IN AN EMERGENCY; HOWEVER, TRAINING IS VERY STRONGLY RECOMMENDED BY THE MANUFACTURER. FOLLOW THE INSTRUCTIONS HEREIN CAREFULLY. THIS EQUIPMENT IS ONLY FOR USE IN SPECIFIC ATMOSPHERES UNDER CERTAIN CONDITIONS. USE OF THIS RESPIRATOR WITHOUT PROPER KNOWLEDGE AND TRAINING CAN RESULT IN SERIOUS INJURY OR DEATH.



GENERAL CAUTIONS & LIMITATIONS

- ◆ This equipment is NOT designed for human use. DO NOT use it for infants or small children.
- ◆ Reptiles or rodents should be placed inside the enclosure while inside their habitat.
- ◆ This equipment must NOT be used in atmospheres containing less than 19.5% oxygen.
- ◆ Follow established filter cartridge change schedules to ensure maximum functionality and comfort while the mask is in use.
- ◆ Failure to properly use and maintain this equipment could result in injury or death.
- ◆ MIRA Safety equipment should be used in compliance with all local regulations and guidance regarding their use.
- ◆ Never substitute, modify, or omit parts. Use only MIRA Safety approved Certified Service Centers for repairs and replacements.
- ◆ Refer to these Instructions for information on the use and maintenance of this equipment.
- ◆ Some CBRN agents may not present immediate effects from exposure but can result in delayed impairment, illness, or death.
- ◆ Direct contact with CBRN agents requires proper handling of the equipment after each use and between multiple exposures during the same use. Decontamination and disposal procedures must be followed. If contaminated with liquid chemical warfare agents, dispose of the equipment after decontamination.

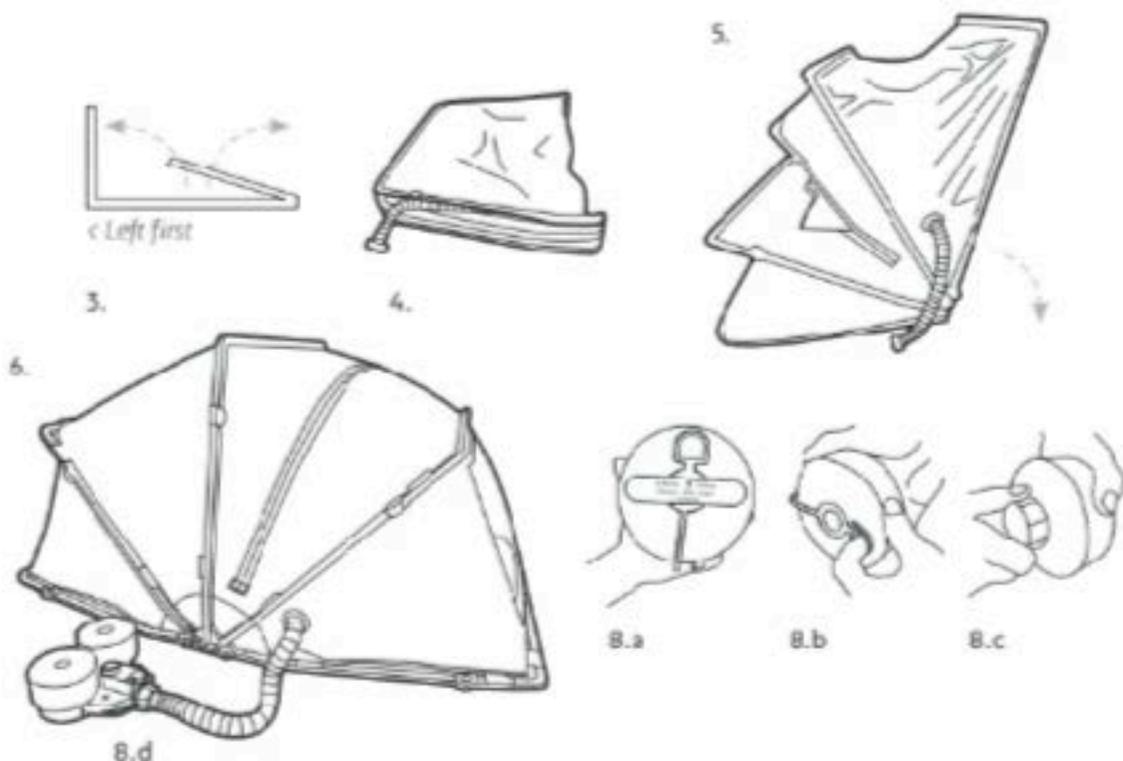
- ◆ This equipment is not for use in atmospheres immediately dangerous to life and health or where hazards have not yet been fully ascertained.
- ◆ The CBRN Animal Ark is designed to protect small animals from inhalation of radiological and nuclear dust particles. Procedures for monitoring radiation exposure and full radiation protection must be followed.
- ◆ The CBRN Animal Ark should not be used beyond 4 hours after initial exposure to chemical warfare agents to avoid the possibility of agent permeation. If liquid exposure is encountered, the respirator should not be used for more than 2 hours.



ASSEMBLY & USE

- 1** Extract the CBRN Animal Ark and synthetic grass from the package.
- 2** Place the folded CBRN Animal Ark on a table.
- 3** Open its left side first, then open its right side (Fig. 3).
- 4** Position the enclosure on the table (Fig. 4). *Please note that all ribs should be fully unfolded.*
- 5** Open the ribs in a fan-like motion (Fig. 5).
- 6** Place the grass inside the enclosure.
- 7** Connect the filters to the blower/PAPR unit (Fig. 8).
 - A** Unseal the filter.
 - B** Remove the filter plug.
 - C** Screw the filter onto the blower/PAPR.
 - D** Repeat the above steps with the second filter cartridge.
- 8** Find the side of the enclosure to which the tube is connected.
- 9** Connect the blower/PAPR to the tube.
- 10** Press the button to confirm the unit is functional (you'll hear the motor hum).
- 11** Close the zipper on the top of the kennel.
- 12** Turn on the blower/PAPR Power Switch.
- 13** Make sure the blower/PAPR is working (the kennel will inflate slightly).
- 14** Place your pet inside the enclosure. Toys, food dishes, and a litter box can be added as long as the total weight does not exceed the 10 kg limit.

- 15** Maintain eye contact after placing your pet inside the kennel to ensure they are comfortable in their new environment.
- 16** Some animals (like reptiles) may require special lighting and heating. Be sure to include these factors without exceeding the unit's 10 kg weight limit.
- 17** If an animal might potentially damage the inside of the enclosure, MIRA Safety recommends placing them in a separate internal enclosure (without exceeding the 10 kg weight limit).



SCREWING IN THE FILTER CANISTERS

The MIRA Safety FirstBreed Collapsible CBRN Animal Ark is designed for use with 40 mm NATO standard filter cartridges. To install your chosen canister:

- 1** Take the canister out of the packaging or storage container.
- 2** Completely remove the protective plugs and sealing strips from the canister.
- 3** Firmly and evenly screw the canister into the blower unit.
- 4** Repeat this process to install a second filter cartridge.

WARNING

NEVER USE EXPIRED OR UNKNOWN FILTER CARTRIDGES. NEVER USE FILTER CARTRIDGES THAT HAVE NOT BEEN PROPERLY STORED. NEVER USE THIS EQUIPMENT IN ENVIRONMENTS WITH LESS THAN 19.5% OXYGEN. NEVER USE THIS EQUIPMENT IN UNVENTILATED CONTAINERS, TRENCHES, DUCTS, ETC.



TERMINATION OF USE

DO NOT remove your pet from the CBRN Animal Ark before performing a full decontamination procedure if possible. CBRN contaminants may adhere to the outer surface of the kennel, which could lead to accidental exposure. Once decontamination is complete, you may open the enclosure and remove your animal(s).

NOTE

Filter cartridges accumulate contaminants during exposure. Handle used filters with special care.



CLEANING AND DISINFECTING

After exposure or use, the FirstBreed Collapsible CBRN Animal Ark should be cleaned and disinfected according to the following instructions:

- 1 Remove any accessories (including the optional hose) from the facepiece and clean them separately per manufacturer instructions.
- 2 Prepare a cleaning solution with neutral disinfectant cleaner according to the specifications of ECOLAB.
- 3 Immerse the facepiece in the solution. Make sure that all parts are wetted.
- 4 Completely remove the cleaning solution under running water.
- 5 Leave the facepiece to dry completely in a drying cabinet or in the open air. DO NOT expose it to direct sunlight. Do not shake the facepiece to remove water.

Never use CBRN equipment that is not properly disinfected and decontaminated. In case of doubt, dispose of equipment in accordance with local regulations and use a new one.

NOTE

IF THE EQUIPMENT IS (OR IS SUSPECTED OF BEING) CONTAMINATED BY A HAZARDOUS SUBSTANCE, THE CONTAMINANT MUST BE IDENTIFIED AND PROPERLY REMOVED OR THE CONTAMINATED COMPONENT(S) MUST BE REPLACED BEFORE NEXT USE. DISPOSE OF ANY CONTAMINATED COMPONENT(S) IN ACCORDANCE WITH APPLICABLE REGULATIONS.

IF THE EQUIPMENT IS (OR IS SUSPECTED OF BEING) EXPOSED TO CBRN CLASS HAZARDOUS SUBSTANCES, HANDLE AND/OR DISPOSE OF THE UNIT IN ACCORDANCE WITH THE REQUIREMENTS OF YOUR CBRN RESPIRATORY PROTECTION PROGRAM.



WARNING

DO NOT REMOVE ANIMAL(S) FROM THE KENNEL WHILE IN A HAZARDOUS ATMOSPHERE EXCEPT IN AN EMERGENCY. DOING SO WILL TERMINATE RESPIRATORY PROTECTION AND EXPOSE THE ANIMAL(S) TO THE HAZARDOUS ATMOSPHERE, WHICH MAY RESULT IN SERIOUS INJURY OR DEATH.



WARNING

ALL VALVES, COVERS, AND FILTER ELEMENTS MUST BE CLEAN AND MUST SEAL PROPERLY BEFORE USE. FAILURE TO VERIFY THAT EACH ELEMENT SEALS PROPERLY COULD RESULT IN THE UNIT FAILING TO FUNCTION OR EXPOSE THE ANIMAL(S) INSIDE IT TO THE CONTAMINATED ATMOSPHERE, WHICH MAY CAUSE SERIOUS INJURY OR DEATH.



WARNING

THOROUGHLY CLEAN AND DECONTAMINATE THE ANIMAL KENNEL AND BREATHING TUBE AFTER EACH USE. FAILURE TO CLEAN AND DECONTAMINATE THE EQUIPMENT MAY EXPOSE THE ANIMAL(S) INSIDE IT TO SUBSTANCES THAT CAN CAUSE SERIOUS INJURY OR DEATH.



STORAGE & MAINTENANCE

The FirstBreed Collapsible CBRN Animal Ark should be stored in a cool, dry, well-shaded place with relative humidity of less than 80% and a temperature between -10°C and 50°C.

The FirstBreed Collapsible CBRN Animal Ark has a shelf life of 20 years. Be mindful of the unit's expiration date before deploying it. Note that improper storage of the unit may negatively affect its shelf life.



DISPOSAL OF USED FILTER ELEMENTS

Filter elements must be removed and disposed of properly to avoid exposure to contaminants.

- 1 Handle the filter elements as potentially contaminated objects.
- 2 Dispose of the filter elements in accordance with federal, state, and local environmental regulations for hazardous waste.

Do not throw away used filter elements as ordinary waste.



WARNING

DISPOSE OF FILTER ELEMENTS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS. DO NOT THROW AWAY DAMAGED OR UNUSABLE FILTER ELEMENTS AS ORDINARY WASTE. IMPROPER DISPOSAL OF CONTAMINATED FILTER ELEMENTS MAY RESULT IN EXPOSURE TO CONTAMINANTS WHICH MAY CAUSE SERIOUS INJURY OR DEATH.



SERVICE AND REPLACEMENT PARTS

The MIRA Safety FirstBreed Collapsible CBRN Animal Ark has no user-serviceable parts. For filters or other optional accessories, contact MIRA Safety Customer Support by calling 888-316-1462 or e-mailing support@mirasafety.com.



ONE-YEAR LIMITED WARRANTY

The manufacturer warrants this product against defects in materials and workmanship for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser ("Warranty Period").

If there is a defect and a valid claim is received within the Warranty Period, the defective product can be replaced or repaired in the following ways:

(1) Return the product to the manufacturer for repair or replacement at the manufacturer's option. Proof of purchase may be required.

(2) Return the product to the retailer where the product was purchased for an exchange (provided that the store is a participating retailer). Returns to a retailer should be made within the period of the retailer's return policy for exchanges only (usually 30 to 90 days after sale). Proof of purchase may be required.

Please check with the retailer for their return policy regarding returns beyond the time set for exchanges.

This warranty does not apply to accessories, attachments, or optional upgrades; defects resulting from normal wear and tear; accidents; damage during shipping; alterations; unauthorized use or repair; neglect, misuse, or abuse; or the failure to follow the instructions for proper care and maintenance of the product.

This warranty gives the original retail purchaser specific legal rights, and you may have other rights that vary from state to state or province to province. This product is not intended for commercial use.

Please direct all warranty claims to MIRA Safety Customer Service at:



888-316-1462



support@mirasafety.com



MIRA[®]
SAFETY



MIRA Safety LLC

**7301 N FM 620 RD, STE 155 #259
Austin, TX 78726**



888-316-1462



support@mirasafety.com

© 2022 MIRA Safety LLC

MIRA Safety, the MIRA Safety logo, and the FirstBreed Collapsible CBRN Animal Ark are registered or unregistered marks of MIRA Safety LLC or its affiliates.