

NBC-Protection System and Tent

Type Rainbow 36



NBC Hardened Tent

This NBC hardened tent is a new and revolutionary solution for protection against chemical and biological warfare inside existing infrastructure.

It provides ideal protection against all known chemical and biological warfare, as well as radioactive fallout and most environmentally dangerous substances.

The system is intended for buildings and flats without protected areas or shelters.

The NBC protection set includes an NBC protected tent and an NBC filtration unit.

After setup of the tent (no special tools or means required), the filtration system installed, and the system engaged, the tent becomes a toxic-free area within the shortest possible time-frame. This allows the occupants the freedom of movement without the need of gas-masks or special clothing.



PRODUCT SPECIFICATIONS:

- Gas-tightness according to standard: MIL-STD 282 Method 204.1
- Inflated tent dimensions: length – 2.5 m width – 2.2 m height – 2.5 m volume – 13.5 m³
- Capacity of up to 6 people
- Nominal airflow: 36 m³/h
- Nominal overpressure: 50 pascal

NBC-Filtration & Ventilation Systems



Certified Quality Assurance Program According to AQAP-2110



Installation Instructions

(Preparations after Tent Purchase)

- Choose a suitable place for the tent based on the following points:
- Open area of 2.5 m x 2.2 m x 2.5 m for tent erection
- Avoid wall or ceiling or wall fixtures that may disturb the layout of the tent
- Tent entrance must be accessible and close to door or a ventilated area
- Installation of ceiling hooks:
 - Mark hook locations perpendicular to each of the four tent corners
 - (2.3 m x 2.0 m = entrance side)
 - Drill holes for the hooks (7) mm
 - Insert into holes the anchors (UPAT U6) with hammer
 - Screw in hooks completely
- Store the cardboard containers, with the filtration system inside, and the tent according to the instructions in the Operation Manual and the Safety Instructions of the system.



Rainbow Tent
(Ceiling Hooks Version)



Erecting the Tent

1. Open the box of the tent where you will be erecting the tent.
2. Unfold the tent to its left and to its right, working your way forward until the entire tent base is flat on the floor.
3. Stretch the tent so that the four corners are exactly under the hooks mounted in the ceiling and the opening of the tent (zipper) is positioned on the access side. The power cord needs to have enough length to reach the nearest power receptacle.
4. Hang the carabineer hooks, found at the ends of the tent ropes, on the hooks that have been mounted in the ceiling.
5. Tension the ropes by adjusting the discs until the tent stands upright.
6. Connect the power cord for the tent to the power receptacle.
7. Connect the flexible hose (5 meters long) to the plastic console (tub) from outside the tent. The opposite end of the flexible hose should be placed out of the door leading to the next room.



Entering the Tent

1. Bring into the tent all the components of the NBC filtration system (electrical blower, hand blower, filter, and the short flexible hose).
2. All necessary items for a prolonged stay should be brought into the tent.
3. The telephone cable may be inserted through the zipper enclosure.
4. System Operation
5. Close the zipper and the Velcro fastener.
6. Connect the NBC filter to the plastic console.
7. Connect the filter and electrical blower together with the short flexible hose.
8. Plug the power cable of the blower into the socket of the extension cord and switch the system on. Within a short time (approx. 15 – 20 minutes) the tent will completely inflate with purified air.

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Specifications are subject to change without prior notice.