

Saar Instructions Manual

This System is for emergency use only. The filter must remain air tight and should be opened only at the instruction of Home Front Command (Pikud Ha'Oref)

This system provides air and protection for a group of up to 6 people.

Before operating the system, you must closed and seal both the door and the window of the Safe room (Mamad).

Ventilation mode

Used for extended stays during conventional warfare (Articles 1-5)

<p>1. Open the white plastic head bolts on the side of the system and remove the cover.</p>	
<p>2. Open the securing strap and loosen the black nuts that tighten the filter.</p>	
<p>3. Turn the filter on its axis to reveal the valve opening. Remove the Electrical blower from its storing location and install it on the valve opening by twisting it clockwise.</p> <p>4. Extract the power cable and power adaptor (From 230 VAC to 12 VDC) from the cardboard box and connect the blower to the electricity outlet.</p> <p>5. Turn the blower on. Check that the fan on the outlet valve is spinning. If it is not, check all the room openings to make sure the room is sealed.</p>	<p>Blower 12V power</p>

Electrical Filtration mode

Used for Unconventional warfare (Articles 6-10)

<p>6. Open the Filter caps (both front and back) by twisting them counter clockwise.</p> <p>7. Disconnect the blower from the valve opening (twist it counter clockwise)</p> <p>8. Turn the filter on its axis back to closed position and tighten the filter using the 2 long bolts (same as it was stored)</p> <p>9. Install the Blower on the filter opening (where the cap was) by turning it clockwise.</p> <p>10. Connect the blower to the power outlet, using the power cable and power adaptor and turn the blower on. Check that the fan on the outlet valve is spinning. If it is not, check all the room openings to make sure the room is sealed.</p>	<p>Check that the fan on the outlet valve (located on the opposite side of the room from the system) is spinning</p>
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Manual Filtration mode

Used for Unconventional warfare - **When There is a power Outage** (Articles 11-17)

It is recommended to prepare articles 11-16 while the system is still operating in electrical mode

<ol style="list-style-type: none"> 11. Remove the plastic head nuts that are located on the anchoring plate (located on the wall below the system) (A) 12. Remove the logo sticker from the system cover to reveal the 2 holes in the cover. Place the filter cover (B) on the 2 bolts on the wall. 13. Insert the support panel (D) through the inner strap (C) of the cloth cover (F) –(which is stored inside the cardboard box). The strap should surround the panel middle. (see pic). Install the panel (D) on the Anchor bolts (A). Fasten with the plastic head bolts (E) 14. Place the cloth cover (F) on the system cover (B) now installed on the wall. Tighten with the outer strap (G). 15. Insert the orange pull handle (H) through the designated loops (I) 16. Install the grey hose (J) on one of the openings in the cover, located on the top of the cover (under the rubber leaf). Make sure that the side installed is the side with the inner cover (white cover inside the hose opening). 	
<ol style="list-style-type: none"> 17. If there is a power outage (No Electricity), remove the blower from the front filter opening (turn counter clockwise), and connect the free side of the hose (J) to the filter opening. The handle (H) should now be pulled outward, and pushed inward, at a steady pace of 26 cycles per minute (A full cycle every 2.5 sec). During operation, the fan on the outlet valve (located on the opposite side of the room) should spin. When power supply is resumed, the system should be re-connected to the electrical blower (Articles 9-10) <p><u>According to Home Front Command instructions, a maintenance check-up should be conducted by a certified technician every 3 years.</u></p>	<p>Saer System installed in manual operation mode</p>