

You will need 2 ExtendAir™ curtains (1 box) and 2 OnSiteO2™ cylinders every time you need to extend your time in the room. The OnSiteAir refill kits should be used to extend the safe time for as long as needed according to Table 2.

Leave ExtendAir curtains in place until you leave the room. The curtains and bottles can be disposed of as you would any other refuse. Storage life is 3 years, replace after the date of expiration.

Fig. 2



Fig. 1




OnSiteAir™

EMERGENCY AIR-SAFETY KIT

Shelter Kit Use Instructions



DEPLOYMENT SCHEDULE

Room Size: L x W x H (in feet)

x x = Cubic feet

People in the room

Time that the room was sealed

Time that the first OnSiteAir kit is deployed, Table 1

Scheduled times to deploy remaining refill kits, from Table 2

Carbon Dioxide and Oxygen Control for Sealed Rooms



350-F Pencader Dr • Newark, DE 19702

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There are 2 major systems included in the On-Site Air shelter kit: the ExtendAir CO2 absorber and the On-SiteO2 Oxygen supply. Leave them in the box until ready to use.

Before using this kit, you must know the volume of the room you are in and the number of people that will be supported by this kit. This information will tell you how soon after you have sealed the room that you will need to deploy the systems. (See Tables 1 & 2) You should use the worksheet on the www.OnSiteAir.com website for your exact needs and print a copy to keep for future reference. Tables 1&2 cover some typical scenarios. The paper worksheet on the back cover of these instructions should be used during your stay in any sealed room to keep track of your kit deployment schedule. A pencil and tape measure in the kit will aid in determining the room size and keeping track of your time in the sealed room.

Table 1

Hours before first use of OnSiteAir™ Kit

Number of People in the Sealed Room

		1	2	3	4	5	6	7	8
Room Volume in Cubic Feet	200	7	3 1/2						
	400	14 1/4	7	4 3/4	3 1/2				
	500	17 3/4	8 3/4	6	4 1/2	3 1/2			
	750	24	13 1/4	8 3/4	6 3/4	5 1/4	4 1/2	3 3/4	3 1/4
	1000	36	17 3/4	11 3/4	8 3/4	7	6	5	4 1/2
	1500	48	24	17 3/4	13 1/4	10 1/2	8 3/4	7 1/2	6 3/4

Table 2

Deployment Interval After First Deployment

People	1	2	3	4	5	6	7	8
Hours	12	6	4	3	2 1/2	2	1 3/4	1 1/2

Example:

There are 5 people in a 750 cubic foot room. They seal themselves in a room at 6 am. At 11:15 am the first OnSiteAir kit is deployed. The next kit will be used at 1:45 pm. Kits will be used every 2 1/2 hours for as long as needed.

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Once in the sealed room, you do not need to deploy the kit immediately. The delay time is based on the room size and number of people in it. The examples in Table 1 show some typical time delays, your exact need should be taken from the online worksheet.

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To deploy the kit is very simple. Open the ExtendAir box and remove the foil pouch. Tear the pouch open and remove the CO2 absorbent curtains. Attach both curtains to the enclosed hangar and hang anywhere in the room that it is convenient. (See Fig. 1 & 2)

Next, you will release oxygen into the room. Open the

top half of the green box containing the O2 cylinders. Screw regulator into cylinder (clockwise until finger tight). Press knob for oxygen flow. Lock control button in flow position by pressing and turning 1/4 turn. To discontinue use, release control button.

When cylinder is empty (see gauge, Fig. 4) unscrew regulator (turn counterclockwise), mark cylinder “empty” and discard in a safe place. Remove cap from second cylinder and screw on regulator (clockwise until finger tight).

Replace empty cylinders with OnSiteAir™ refill kit OS-002.

2 ExtendAir curtains and 2 OnSiteAir™ cylinders need to be deployed on the time interval that has already been determined from Table 1. Repeat this process as many times as needed based on Table 2.

The expended cylinders and curtains can be disposed of as normal household refuse. Storage life is 3 years, replace after the expiration date on the box..

Fig. 3



Fig. 4
Pressure Gauge

