

## FREQUENTLY ASKED QUESTIONS (FAQ)

### What is the Breath of Life Emergency Escape Mask?

The Breath of Life Mask is a pocket sized, ounce and a half, escape device that can save your life in dangerous situations such as fires, natural disasters and terrorist attacks. It is a practical, accessible and affordable solution that protects your eyes, nose, mouth and ears while allowing you to breathe filtered air. It buys you critical time to escape situations of smoke, dust, debris, and some of the biological and chemical dangers out there.

### Why do I need the Breath of Life Emergency Escape Mask?

This is just like asking yourself: “why do I need health insurance?”, or “why do I need a spare tire in my car?” – We all hope for the best but the reality is that emergencies do happen. Being proactive and being prepared is the name of the game. Carrying this ultra-thin, light-weight, **life saver** can mean the difference between life and death. It is so compact, so discreet and so affordable that not having it just doesn’t make sense. The Breath of Life Mask greatly increases your chances of survival in dangerous situations.

### What does it protect me against?

The Breath of Life Mask protects you against smoke, dust, debris (like for example the “9/11 dust”), and some of the biological and chemical threats out there. It can save your life in fires, natural disasters and terrorist attacks by providing you with critical minutes of clean filtered air needed to escape. In technical terms, it filters particles larger than 0.3 microns at a very high efficiency rate.

### How long can I wear it?

Our simple recommendation is that you should wear your Breath of Life Mask until you reach a safe environment. This mask was tested in laboratory conditions checking general filtration for 15-20 minutes and against specific microorganisms for 10 minutes. It was designed as an escape device and, ideally, you will be running away from the source of contaminant when escaping. However, the quantity and concentration of contaminants in the atmosphere will be the final determining factor.

### How do I use it? Do I need prior training?

The donning of a Breath of Life Mask was designed to be simple and “fool-proof”.

The hood is transparent, enabling great visibility when worn, but also letting you find/feel what side the filter is located on. Donning the mask is self explanatory once you take it out of the package but we recommend reading the instructions as soon as you purchase it to familiarize yourself with the product. See “Instructions for Use” below.

Also, the cost of the mask is low enough that, if doubtful, you can purchase an extra unit for individual training. Trying the mask on and understanding how it works will be extremely beneficial to you in times of emergency since it will help you deal with panic.

### Can I use it with glasses and beards?

Yes, the Breath of Life Mask has a “one size fits all” design. It fits people with glasses, long hair and beards. Its clear hood allows clear visibility and communication, enabling you to see your surroundings and use your cell phone or yell for help if needed.

### Will it filter CO?

The straight forward answer to this question is no. However, not all escape masks must be capable of filtering carbon monoxide.

A filter for carbon monoxide is very thick and heavy - as it requires a special chemical ingredient to absorb it. If we would attach such a filter to Breath of Life Mask, it would make the mask much bulkier and a lot more expensive.

Our decision not to include the filter for carbon monoxide is based on the fact that Breath of Life Mask is intended for ESCAPING from a contaminated area within the shortest possible time, where exposure to gases would be for a relatively short time. We came up with a mask that provides enough protection for getting you out of danger but is also portable enough that you will actually have it accessible when you need it.

The NIOSH standard, "Statement of Standard for Chemical, Biological, Radiological (CBRN) Air Purifying Escape Respirator", September 30, 2003, provides the requirements for different types of escape masks:

Section 4.2.1 gives the requirements for a version that does not claim to filter carbon monoxide.

Section 4.2.1.1. provides requirements for masks providing protection against carbon monoxide.

See also section 3.5 "Flammability and Heat resistance (applicable only to respirators approved for carbon monoxide protection)"

For more information on this visit:

<http://www.cdc.gov/niosh/npptl/standardsdev/cbrn/escape/standard/escstd-a.html>

Note: Breath of Life Mask does not claim to conform to all the requirements in the above NIOSH standard - we use some test references from the standard, and reference to the standard is to point out that there are different requirements for different masks.

Carbon Monoxide is a poisonous gas that acts slowly. It is characterized by the fact that if a victim survives (described in publications), there are no permanent side effects resulting from this gas, compared with exposure to many side effects/damage.

### Can I travel with it?

Yes, you can travel with the Breath of Life Mask all over the world. Up to date, we have never encountered any problem at any airport security check. When you get to your seat on the plane, it is advisable to take your mask out and place it in the seat pocket in front of you. This will allow a rapid access to it in case of smoke in the cabin.

### Where should I carry it?

You should plan and adapt the accessibility to the mask according to the level of risk. A quick review about where you live and work and how you commute will help you understand your different levels of risk. For example, if you live in a high-rise building you should have masks near the door so that you can grab one on your way out in case of an emergency. If you ride the subway to work you may want to have one in an easily accessible pocket in your briefcase or even have one 'live' in one of your jacket's inner pockets. Bottom line, you should consider your environment and have a contingency plan.

### How is it different than what is out there?

The Breath of Life Emergency Escape Mask is the most practical, accessible and affordable mask in the market today. Because of its compact size and weight, you can carry it with you at all times (as opposed to other bulkier and heavier masks). Because of this, you will have it when you really need it and that will save your life. We offer you the best level of protection at the most convenient size and cost.

Most efforts in the industry currently focus on the security of workers that use respirators in their work. These workers have the luxury of knowing what type of risk they will be facing and what type of protection they need to cope with that specific risk. Therefore, most of the masks you will find in the market today are specifically designed for either first responders or professionals that work in dangerous environments like labs, etc. However, the general public remains unprotected.

With the current state of events in the world, experts in the field have now identified the need for masks to protect civilians and other potential victims who may find themselves in situations where harmful substances may exist in the atmosphere. These protective masks have been defined as "Escape Masks".

There are yet no international, U.S. or European standards or regulations in this new category that is being formed, but various organizations have started the work. What is generally accepted by now is that the new urban threats have created a genuine need to furnish every potential victim (practically 100% of the population) with an inexpensive, compact, pocket sized, "easy to don" (within 20 seconds), "one size fits all" - means for relatively safe escape from a disaster site.

### Is this an NBC / CBRNE mask?

The Breath of Life Emergency Escape Mask is an emergency, first aid escape mask. It is not an NBC mask as defined in various International Standards for Respiratory Protective Devices.

The Breath of Life Mask is designed as a CBRN escape mask. The filter is designed to give the following protection: **chemical** – active charcoal filters organic gases like Sarin or Chlorines, subject to limitations dictated by concentration and time of exposure. **Biological** – the only mask in the world that was tested against all hazardous micro-organisms, **particles** – filters particles over 0.3 microns, applies mainly to smoke and fumes. **Radiological** waste – prevents particles containing Alpha and Beta rays from entering the body via the breathing systems.

Even the efficiency of the NBC mask against all types of contaminants depends on its fit to the face, the type of contaminant and its concentration, and the distance from the source of the contaminant. European Standard, EN-405 Table 2. "Gas filtering capacity" states: "NOTE: The minimum breakthrough time is intended only for laboratory tests under standardized conditions. It does not give an indication of the possible service time in practical use. Possible service times can differ from the breakthrough times determined according to this standard in both directions positive or negative depending on the conditions of use. The Breath of Life Mask filters provide high filtration against microorganisms including properties smaller than Anthrax, particles exceeding 0.3 micron, dust and smoke, as can be seen from test results presented in this site.

### Is it fireproof?

The Breath of Life Mask and its components are **not fireproof**. This escape device should be used at a maximum temperature of 100° C (212° F). However, remember that this mask is intended for civilians, which in most cases will not have professional fireproof clothing on them at the time of an evacuation. Also, consider that your bare skin will burn at around 55° C, or 130° F; so basically, as long as your body can withstand the heat you can wear the mask.

### What is the shelf life?

The Breath of Life Mask comes in a vacuum-packed aluminum package for convenience. It has a shelf life of 4 years and should be stored in places protected from extreme heat or direct sunlight.

### Is it reusable?

No. The Breath of Life Mask is a disposable, one time use device. However, Technon's policy is that if you used your mask while escaping from a real-life dangerous situation and you contact us and share your experience with us, we will replace your mask for free.

**Instructions for Use**

If an emergency occurs:



1. Tear open the packaging by pulling on the red tab at the top of the packaging.



2. Remove the mask and rubber bands from the packaging and place the rubber bands on your wrist. Make sure that the neck area is clear of hair, clothing and jewelry.



3. Unfold the mask and place it over your head with the filter facing forward, so that the filter is in front of your mouth.



4. Place both rubber bands over the mask and secure them around your neck to create a seal. Make sure that the seal between your neck and the mask is tight and that there is no hair, clothing or jewelry between the mask and your neck.



5. Escape to safety. Breathe normally, stay calm and immediately evacuate the danger area to safety.

Please remember that the Breath of Life Mask is a one-time-use product. As such it must be used immediately upon opening, or discarded.

For additional information please contact us by email at [info@technonllc.com](mailto:info@technonllc.com)