

CARBON MONOXIDE FILTERING

Not all escape masks must be capable of filtering carbon monoxide. The NIOSH standard, "Statement of Standard for Chemical, Biological, Radiological (CBRN) Air Purifying Escape Respirator" September 30, 2003: <http://www.cdc.gov/niosh/npptl/standardsdev/cbrn/escape/standard/escstd-a.html> provides 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)"

Note: Our 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.

3) 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.

4) A filter for carbon monoxide is very thick and heavy - as it requires a special chemical ingredient to absorb it. If we attach such a filter to our masks, it will make the mask much more bulky and more expensive.

5) Our decision not to include the filter for carbon monoxide is based on the fact that our mask is for ESCAPING from a contaminated area within the shortest possible time, where exposure to gases would be for a relatively short time.

6) **For your information:** We attach hereto copy of a "Recall - Suspend Use" notification regarding the EVAC-U8 masks from Dupont - the manufacturers claimed that their mask filters carbon monoxide. However, when tested, the filter did not conform to the requirements, - the levels of carbon monoxide that enter and remain in the mask (when escaping fire for example) were not confirmed on repeated tests.

AGAIN, THE IMPORTANT IDEA BEHIND OUR CONCEPT IS TO PROVIDE A VICTIM WITH A BETTER CHANCE OF SURVIVAL IN AN UNEXPECTED EVENT/CONTAMINATED AREA - WHERE AN EASILY ACCESSIBLE AND REASONABLY PRICED SOLUTION IS REQUIRED FOR ALL SECTORS OF THE PUBLIC.