



BUILDING PROTECTION SYSTEMS

On September 11, 2001 the world as we knew it changed.

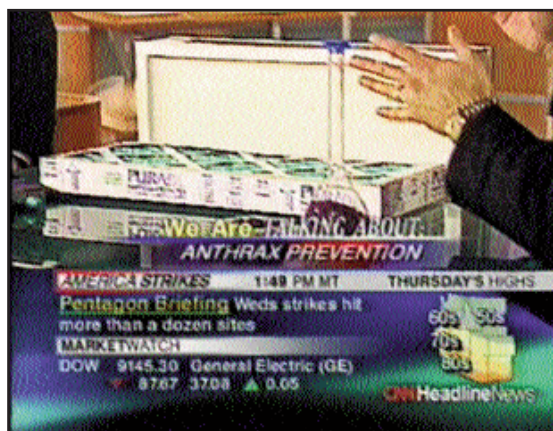
Terrorism and the collapse of Homeland Security has changed the way we live and the way we conduct business. With each report of Anthrax, the reality of a possible future attack strikes fear in the heart of every American. If not Anthrax, what next? *Small Pox? The Plague? Chemicals of War?*

On October 18, 2001 CNN Headline News conducted a live interview with Purafil's David Nicholas. The focus of the interview was Purafil's Shelter In Place (SIP) System, a filtration unit designed to filter out biological and chemical agents of war.



Purafil's David Nicholas, CNN Headline News:

I believe it is important for the American public to understand what we're dealing with when we say air purification for building protection. A high efficiency filter, or HEPA, will trap biological contaminants, but cannot remove mustard gas, chlorine gas, or other chemical warfare agents. To remove these contaminants, Purafil uses special chemical adsorbents, the same as those specified by the U.S. Army. Complete protection requires multiple stages of filtration.



Because most facilities are not designed to accommodate sophisticated filtration systems, the US Army Corps of Engineers has recommended that Shelters-in-Place be designated for individuals to assemble in the event of a biological or chemical attack. Purafil's Shelter In Place System is a free-standing, portable unit designed to sit inside the protective space and purify the air of biological and chemical contaminants. The unit uses 110V AC 50/60 Hz and will, therefore, plug into most standard plug outlets.

About Purafil, Inc.

With more than 20,000 installations in 60 countries worldwide, Purafil is the leading manufacturer of clean-air solutions for the protection of people, electronics, and artifacts. We specialize in helping any customer, in any market, and in any region of the world protect against hazardous airborne pollutants.

Purafil is highly experienced in the emergency removal of airborne hazards. In this application, our systems can be found at water treatment plants, petrochemical refineries, pulp mills, semiconductor fabs, laboratories, and other facilities storing large quantities of hazardous and/or toxic chemicals. Since the tragic events of September 11th, Purafil has applied its expertise in emergency filtration to an increasing demand for protection against biochemical and chemical agents of war.

Systems for Building Protection

On November 19, 2001 Purafil announced their development of a complete product offering for building protection. The offering includes air filtration systems capable of mitigating possible external or internal releases of nuclear, biological and chemical (NBC) warfare agents. Purafil's systems are designed to protect a building's most vulnerable points of entry - the outside air intakes and internal locations accessible to the public.

Outside Air Intakes

Intakes located at or near ground level are the most accessible to the public and the most vulnerable points of entry in the event of an external release of NBC warfare agents. In this instance, Purafil's systems can be used to filter outside intake air and pressurize the protected space.

Internal Releases

The likelihood of an internal release is determined by the accessibility of certain areas to the public. Hazardous materials can be carried into a building by people or in the delivery of mail, supplies, and equipment. Vulnerable locations inside the building include mailrooms, loading docks, entry lobbies, and mechanical rooms. Purafil's systems are designed to continuously filter and recirculate air inside these areas.

Shelter In Place System

Purafil's systems can also be used for sheltering in place - a protective action recommended by the US Army Corps of Engineers in the event of an external or internal release for which there is no forewarning. For this application, Purafil offers a Shelter In Place (SIP) System, a recirculating air filtration unit designed to sit inside the protective space and purify the air of biological and chemical contaminants. The SIP system is freestanding and mounted on casters to provide mobility.

In addition to layers of HEPA filtration and chemical adsorbents, Purafil's building protection systems contain a unique Purafil-patented filtration media, capable of preserving the life of the chemical adsorbents. Unlike the chemical adsorbents, Purafil's media can be tested for remaining service life, allowing for reliable verification of overall system performance.

