

Intelagard Compressed Air Foam (CAF) Systems Applications



Macaw® Backpack

Intelagard's Macaw backpack was selected by the US Joint Services for Contamination Avoidance at Seaports of Debarkation (CASPOD) assessments, Restoration of Operations (Rest-Ops), by US Special Operations Command (SOCOM), by training and testing facilities including Dugway Proving Ground, Aberdeen Proving Ground, Goodfellow AFB Training Center and the Defense Threat Reduction Agency (DTRA). The Macaw is currently deployed in Iraq by the US military for rapid fire suppression. The systems are also being used for facilities protection at nuclear and

non-nuclear power generation plants, pharmaceutical companies, petro-chemical facilities and munitions depots. In Rest-Ops testing for foam deployment apparatus conducted at the West Desert Test Center, the Macaw was the top performer in the small-scale deployment apparatus, while Intelagard's Merlin ranked second place. The Macaw has also been used at a number of automobile races, including the Grand Prix in St. Petersburg, Florida.

The Macaw's portability, reliability and ease of use have made it the small CAF system of choice for immediate emergency response in demanding situations, including fire response, CBRN decontamination, and HAZMAT remediation. The Macaw's extensive track record in real world field use has proven the extreme durability and reliability of the product.



Merlin® Cart-Mounted Response System

Chosen by the Federal Emergency Management Agency (FEMA, a division of the Department of Homeland Security (DHS)) for deployment with all of the Federally-funded Urban Search and Rescue (USAR) teams, Intelagard's Merlin handcart systems are also being used for advanced testing and technology demonstrations at Sandia National Laboratories, Dugway Proving Ground, Goodfellow AFB Training Center, and at Osan AFB in South Korea, as part of the

Defense Threat Reduction Agency's (DTRA) Restoration of Operations (Rest-Ops) program. In the Rest-Ops testing, the Merlin ranked the most effective system tested in the medium-sized apparatus category while the Macaw ranked second. Recent military-sponsored efficacy testing conducted on EasyDECON™DF200 formula was performed with Merlin systems exclusively due to their reliability and patented binary CAF configuration that allows for efficient use of multi-component formulas like DF200 as well as fire suppression and HAZMAT remediation solutions.

The Merlin's versatility makes it ideal for a wide variety of emergency applications where man-portable equipment that can be easily deployed by personnel in Protective Equipment is required, and where ongoing, long-term deployment operations may be requires. The Merlin's dual solution and power drafting capabilities allow operators to tailor the system's use to the situation at hand.



Falcon Fixed Site Decontamination System (Falcon™ III)



In 2004, Intelagard completed a large order of 1,030-gallon truck / trailer decontamination systems for US Army Central Command. The systems, developed in conjunction with the US Marine Corps, are ideal for large-scale emergency response. Upon completion of the contract, over 120 units are slated for forward deployment or are currently deployed in critical mission areas around the world.

Applications include interior and exterior building decontamination, hazmat and fire response, equipment, cargo and infrastructure protection and decontamination at airports and seaports, roadways and runways, as well as mass decontamination. Systems can be configured for both chemical/biological and nuclear/radiological decontamination operations.

The Falcon systems have been extensively tested by the US Military at Yuma Proving Ground in Arizona, Fort Leonard Wood, Missouri and at locations in Kuwait and Iraq. They have established an excellent record of dependable and effective service.



EasyDECON™ DF-200 Decontamination Formula

EasyDECON™DF200, derived from a formulation created by Sandia National Laboratories, was used in Washington DC in 2001 for Anthrax remediation, achieving a 7-log kill. This formula has also been proven effective on all known chemical warfare agents, as well as a wide range of Toxic Industrial Chemicals (TICs). EasyDECON DF200 has been selected by the US Army for deployment in Operation Iraqi Freedom, and well over two hundred thousand gallons have been purchased by the US Military as the chosen replacement for Decontamination Solution 2 (DS2). The formula has also been fielded by FEMA, a number of WMD Civil Support Teams, DTRA and by Homeland Security personnel nationwide. Testing has shown EasyDECON™ DF-200 to be an aggressive decontamination agent that is environmentally friendly and biodegradable. EasyDECON™ DF-200 has been tested and approved by the US Environmental Protection Agency (EPA) for use on biological contaminants.

Intelagard systems also deploy multiple formulas such as Reformulated Decon Green (RDG), High-Test Hypochlorite (HTH) 10% solution, Super Tropical Bleach (STB) 10% solution, chlorine-based foam agents, hot soapy water and mild bleach solutions, all classes of fighting foams and hydrocarbon remediation products.



Recent additions to the Intelagard product line include the Intercept™, a skid unit that fits in the back of a short bed truck, and the SwiftCAF ATV system for wildland firefighting. For more information on these products, please contact Intelagard.



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