

# Firefighting Foam at Airports



**fomtec**  
Fire Fighting Foams & Equipment



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# Firefighting Foam Airport Applications

A typical airport has a combination of fuel hazards that can be critically life threatening as well as representing a high risk in terms of the value of the asset and the business of running an airport. Applications cover mobile emergency response in the ARFF mission as well as fixed systems protecting maintenance hangars and the fuel storage and handling facilities. Whilst the different missions are typically governed by different standards the nature of the missions and the value of the assets means that high performance foams, whether fluorinated or fluorine free, are essential !

## ARFF

Whether Military or Civilian the primary mission of the ARFF teams is to rescue the crews and passengers in the event of an aircraft incident. Rapid control of a fire and provision of a secure blanket of foam to prevent reflash during the rescue is critical with the foam being delivered through monitors on the ARFF Vehicles or from handline teams. Depending on whether the airport is governed by ICAO standards, or US FAA standards or specific military requirements Fomtec offers a range of fluorinated and fluorine free foams that are independently tested and approved to meet the requirements of the ARFF mission.



## Hangars

Whilst mobile foam units and foam hand lines are deployed in hangars the primary protection in most hangars is from fixed foam systems designed in accordance with appropriate standards such as NFPA 409. Depending on the classification (Group) of the hangar various options for low expansion and high expansion foam systems can be used (Medium expansion and CAF can also be used but are less common than the others).

As the hazard is primarily Jet fuel a hydrocarbon firefighting foam should be used and whether fluorinated or fluorine free this foam should be tested and approved with the discharge devices in the system.

## Fuel Storage

Large quantities of Jet Fuel need to be stored close to the airport and have to be transported (whether through tanker trucks) or through piped distribution systems, or a combination of both, between the bulk storage and the aircraft.

Tank, dike and loading racks will normally be protected with fixed foam systems designed in accordance with the appropriate standard such as NFPA 11 and EN 13565-2. As hangar protection the fluorinated or fluorine free foams should be tested and approved with the discharge devices used in the system.



# Fluorine Free Foams for Airport Applications

## ARFF

Enviro USP  
Enviro AIR  
Enviro 3% ICAO  
Enviro MIL  
Enviro FORCE

## Hangar Protection

Enviro USP  
LS xMax

## Fuel Storage

Enviro USP  
Enviro ARK  
Enviro 3x3 Ultra  
Enviro MIL  
Enviro FORCE



## About Fomtec

Dafo Fomtec AB is a privately owned company manufacturing and supplying firefighting foam and associated foam equipment. Our head office is located in Stockholm, Sweden, with the main manufacturing facility in Helsingborg in the south of Sweden. Fomtec Inc. is a wholly owned subsidiary of Dafo Fomtec AB and was established in 2018 when Fomtec started to manufacture part of the Enviro range of Fluorine Free Foam Concentrates in the U.S.A. Dafo Fomtec AB also supports foam blending operations with distribution partners in South Africa, United Arab Emirates and Saudi Arabia. Fomtec is committed to meet and exceed the standards we set behind our company logo of

### Performance – Trust – Sustainability

From the selection of our raw materials and suppliers, to minimising emissions and environmental impact from our manufacturing processes our foam concentrates, associated documentation and accreditation is fully compliant with prevailing legislation within the countries where the products are promoted and sold. Our commitment to our customers covers promoting the best performing product for their application, and supporting our customers with on time delivery from our manufacturing facilities or strategically located storage facilities.



**Dafo Fomtec AB**  
Box 683  
135 26 Tyresö, Sweden  
info@fomtec.com  
www.fomtec.com



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