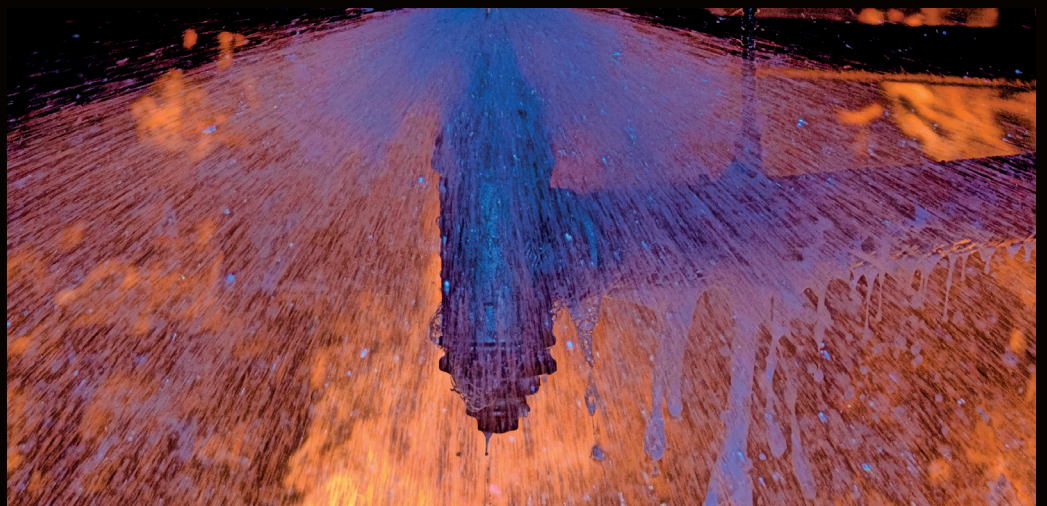


Firefighting Foam for Oil, Gas and Industry



fomtec
Fire Fighting Foams & Equipment



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Firefighting Foam for Oil, Gas and Industrial Applications

Fire hazards found in Oil, Gas, Petrochemical and other Industrial facilities are recognised as having the highest risks due to the types and volumes of Class B fuels that are being stored and used within the facilities. The life safety, property, cost of business and environmental impact when these fires are not promptly and efficiently controlled and extinguished requires the best performing firefighting foam concentrates to be deployed.

Emergency Response Applications

Fuel storage and large scale process area fires represent the worse case scenario for any Fire & Rescue Service. Deployment of foam through large volume monitors and mobile equipment maybe required to control and extinguish tank, dike or process area fires. Success in these missions requires development of an emergency response plan and the movement of large volumes of water and foam concentrate.

Concerns as to whether fluorine free foams can achieve equivalent performance in these missions means that these missions are receiving the longest derogation in the transition away from fluorinated foam, albeit with the stipulation that all foam water run off from any incident must be contained, treated and disposed of as per prevailing regulations.

Foam Systems

The selection and design of foam systems is application dependant and can be anything from a foam assisted sprinkler system to a high expansion foam system. Design will depend on many variables such as fuel type, storage methods, structural conditions, and applicable standards. Fomtec has carried out extensive testing and achieved UL and FM approvals with Viking / KCA hardware with Enviro (Fluorine free) foams and according can offer solutions that meet the design standards of NFPA for tank protection, dike protection, loading rack systems and fixed head sprinkler / foam nozzle systems.

Standards and Approvals

The major design standards for foam systems in the industrial and oil and gas sectors are NFPA (11, 13, 30) and within the EU, EN 13565-2. NFPA standards always call up tested and approved foam and UL 162 and FM 5130 links the foam qualities (expansion ratio and 25% drain time) achieved from a discharge device to the top side fire performance. Additionally both UL and FM have defined testing for foam assisted sprinklers. EN 13565-2 on the other hand references the fire performance achieved in one top side fire test in EN 1568-3 or -4.

In the Oil, Gas and Petrochemical sector testing and approvals to the LASTFIRE protocol or the GESIP have relevance and Fomtec offers products that have achieved Good, Good, Good to LASTFIRE and are approved by GESIP.

Fluorinated vs. Fluorine Free

Current status in some US States and pending restrictions in the EU indicate that fluorinated foams will continue to legally be deployed in this sector for some 5 to 10 years. Fomtec will continue to manufacture and promote C6 based fluorinated foams as well as continuing the development of our Enviro range of Fluorine free foams for this sector.

Approvals with UL and FM for Enviro USP, Enviro ERS, Enviro ARK, Enviro ULTRA, Enviro NEO, Enviro MIL, as well as LS xMax for high expansion systems show that Fluorine Free foams can already be used in systems designed in accordance with the appropriate NFPA standard.

Fluorine Free Foams for Oil, Gas and Industrial Applications

Enviro USP

Enviro ERS

Enviro AIR

Enviro MIL

MB-20

LS xMax

LS EXP

Enviro ARK

Enviro ULTRA

Enviro 3 X 3 Ultra

Enviro 3 X 3 Plus

Enviro 3x3 NEO

Enviro SPX 1%

Enviro FORCE

Enviro 3 X 6 Plus

Enviro 6 X 6 Plus

Enviro Class A

Enviro eMax

P 3%

P 6%

P 3% AR



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.



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