



High Expansion Foam Systems

UL Listed options for all your project needs.

Foam systems are designed to distribute a foam-water solution to specific hazards such as ordinary combustibles or hydrocarbon ignitable liquids within a protected facility, such as aircraft hangars. The type and potential size of the hazard determines the number of discharge devices, type of foam concentrate, and foam-water discharge rate and duration.

High Expansion Foam generators are uniquely designed to aerate foam with no moving parts or external power requirements. The expanded foam, from which the film is drained, forms a stable blanket that suppresses the release of flammable vapors and cools down the fuel surface extinguishing the fire and preventing re-ignition. The stable bubbles feature expansion rates in excess of 830:1. Features and advantages of High Expansion Foam System include:

- A single high expansion foam generator weighs just 153 lbs.
- The generators are available for vertical or horizontal installation with single or paired mounting options.
- Features a stainless steel body and a painted stainless steel nozzle manifold.

A typical foam system consists of a foam bladder tank, proportioning device, foam concentrate, and a discharge device. Foam/Water based systems are fully integrated, ensuring the operational compatibility of every component from foam concentrate to discharge devices.

System components:



Foam Bladder Tanks:
5 - 4,000 USG Vertical
50 - 5,250 USG Horizontal
175 psi & 232 psi versions



Proportioning Devices:
2" to 8" Ratio Controller
3" to 8" ILBP



Foam Concentrates:
xMax 3%



Discharge Devices
High Expansion Foam
Generators

Listings /
Approvals*:

UL Listed (UL162)

* For all applicable approvals, please refer to the technical documentation or contact your local Viking sales office.