



Fire Protection Solutions for Gas and Oil Industries

Viking's foam and detection products provide dependable fire protection solutions tailored for hazardous industries such as oil, gas and chemical plants. Designed to quickly and accurately detect and suppress fires, our advanced products protect critical assets and help ensure the safety of personnel in high-risk environments. For more information, please contact your Viking sales representative or visit our website at vikinggroupinc.com.

Detection



VSF300 Intelligent Video Flame Detector

Capable of detecting an n-heptane (gasoline) fire at 200' and JP4 (kerosene-gasoline blend jet fuel) at 300', the VSF300 detector processes live video images to detect the characteristic properties of flames using on-board digital signal processing and advanced software algorithms.



VSF301 Video Flame Detector

This detector processes live video images to detect the characteristic properties of flames visually, by means of its FM and SIL 2 certified flame detection algorithms, as well as its on-board digital signal processing.



VSF303 Multi-Spectrum IR Flame Detector

Delivering superior performance, the VSF303 responds to hydrocarbon liquid fuel and gas fires at long distances. This detector has been tested by Factory Mutual to detect a hydrocarbon fuel pan fire at 60 m (~ 200') within five seconds.



VSF303 UV/IR Flame Detector

Detect a hydrocarbon fuel pan fire at over 128 ft. in less than just five seconds with the FM Approved VSF303 UV/IR Flame Detector. Its long range flame simulator provides external testing, minimizing the need for scaffolding.



VSF303H Multi-Spectrum IR H2 Flame Detector

The advanced VSF303H delivers optimal performance, responding to hydrogen fires at long distances (131 ft.) with an average response time of only two-to-five seconds! This detector uses infrared (IR) to detect hazardous hydrogen (H2) fires.

Foam Concentrates



ARK Synthetic Fluorine Free Foam Concentrate (AR-SFFF)

FM Approved foam concentrate used to extinguish polar solvent and/or hydrocarbon fires. This foam concentrate can be used in typical NFPA and FM applications where miscible liquids are present.



USP Synthetic Fluorine Free Foam Concentrate (SFFF)

FM Approved/UL Listed foam concentrate used to extinguish hydrocarbon fuel fires. This foam concentrate can be used in typical NFPA and FM applications where only hydrocarbon fuels are present.

Foam Discharge Devices



Oscillating Foam Monitors

UL Listed oscillating foam monitors are used with water or foam solutions for a specific area or risk, covering large areas of an application. Manual or oscillating monitors are usually part of a fixed deluge or flow control system but can also be supplied locally via hydrant or fire truck hose supplies.



Foam Makers

FM Approved and UL Listed Model VFM foam makers are in-line fixed foam aspirating devices. They are used in low expansion foam discharge applications to protect tank farm dikes and other low-level discharge applications.



Foam Chambers

Model VFC foam chambers are suitable for the protection of fixed roof-mounted tanks and are to be used as low expansion Type II discharge devices (as defined by NFPA11) with approved and/or listed foam concentrates and proportioning devices. UL Listed Model VFC foam chambers apply an expanded foam blanket over the surface of a flammable liquid fire as gently as possible to achieve extinguishment and/or vapor suppression.



Foam Pourer

Where installed, the foam pourer provides a directional foam solution discharge to the desired hazard. These devices additionally provide an internally screened opening that prevents obstruction from outside threats.

Foam Storage



Foam Bladder Tanks

Vertical and horizontal bladder tanks are carbon steel pressure vessels containing an elastomeric bladder between the water and foam concentrate. The bladder permits water pressure to be transferred to the foam concentrate without the two fluids mixing together.



SAFE-Tanks®

Poly Processing's SAFE-Tank® is a "tank-within-a-tank" system. These tanks provide secondary containment, are available in a variety of sizes and are typically paired with a foam concentrate pump.



FoamPak

The Viking FoamPak foam pump system incorporates a UL Listed and FM Approved positive displacement bronze/stainless steel rotary gear foam pump capable of dry operation. The balance valve, pressure relief valve and piping products are all bronze or 316 Stainless Steel as standard materials. A UL Listed/FM Approved NEMA 2 foam pump controller, mounted and wired on the FoamPak, is included.