



Foam extinguishing systems

*Cool down.  
Fire Protection by*

**MINIMAX**



# FOAM

versatile

Storage facilities, incineration plants, refineries or plastics/tyre depots have one thing in common: they pose a special risk. When flammable liquids or plastics catch fire, the fire spreads very quickly and toxic combustion gases are emitted. This results in damages that cost millions as well as environmental pollution.

Foam extinguishing systems are the most effective fire protection for this risk area, particularly in the fire categories A and B. In case of fire, foam maker, foam monitors, sprinklers or nozzles are used, depending on the area of application, in order to disperse the foam over large areas. This ensures that the fire can be fought quickly, safely and in an environmentally friendly manner.

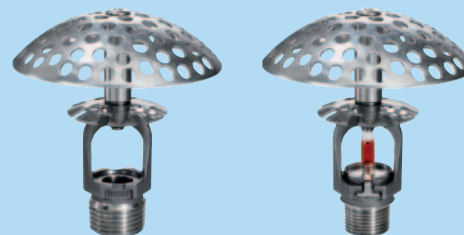
Unlike water, foam is lighter than combustion materials such as oil or petrol. The extinguishing foam is a highly effective fire extinguishing agent consisting of water, fire extinguishing foam and air. The amount of air determines the type of foam and changes its properties. With small to extremely high foaming options, optimum extinguishing action is achieved for each risk. Extinguishing foam uses various extinguishing effects and changing properties: cooling, suppressing, separating, covering, insulating and displacing, all of which prevent further outbreak of the fire.

With a versatile foaming agent range, Minimax offers safe and flexible application. Perfectly aligned components are supplied in line with the individual needs of clients and according to respective fire protection requirements.



## Foam sprinklers and nozzles

Minimax specialises in stainless steel nozzles for low expansion foam extinguishing systems. As an exclusive manufacturer, Minimax supplies sprinklers for the production of low expansion foam. Sprinklers are generally used in storage areas. Nozzles are best suited for the protection of filling stations and filling tank vehicles or for protecting objects, as with hydraulic units or as indoor protection in drum stores.



## Foam maker/foam chamber/foam pourer

These three co-ordinated components comprise the specially designed "TankFoam RTK" kit for protecting flammable liquids in fixed roof tanks. It is used to generate low expansion foam, for which all common foaming agent concentrates can be used.



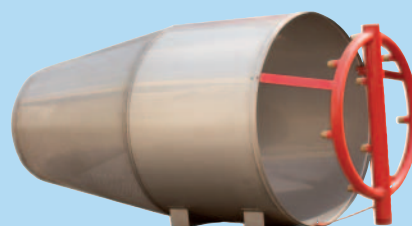
## Foam monitor

The foam monitor is for external use, to fight fires from a safe distance and to preventatively cool objects at risk of catching fire. Depending on the version the monitor can be aligned with the target manually, electrically or hydraulically by remote control.



## High expansion foam generator

Generators produce high expansion foam, which is used to protect storage areas. Foam floods the entire room and deprives the fire of oxygen by displacing air somewhat like a carbon dioxide extinguishing systems.



## DirectAlarm foam

These components make alarm testing easy. Weekly tests are carried out with water from the pump distributor before the proportioner. A foam/water mix does not have to be discharged and disposed of.



## Foaming agent concentrate

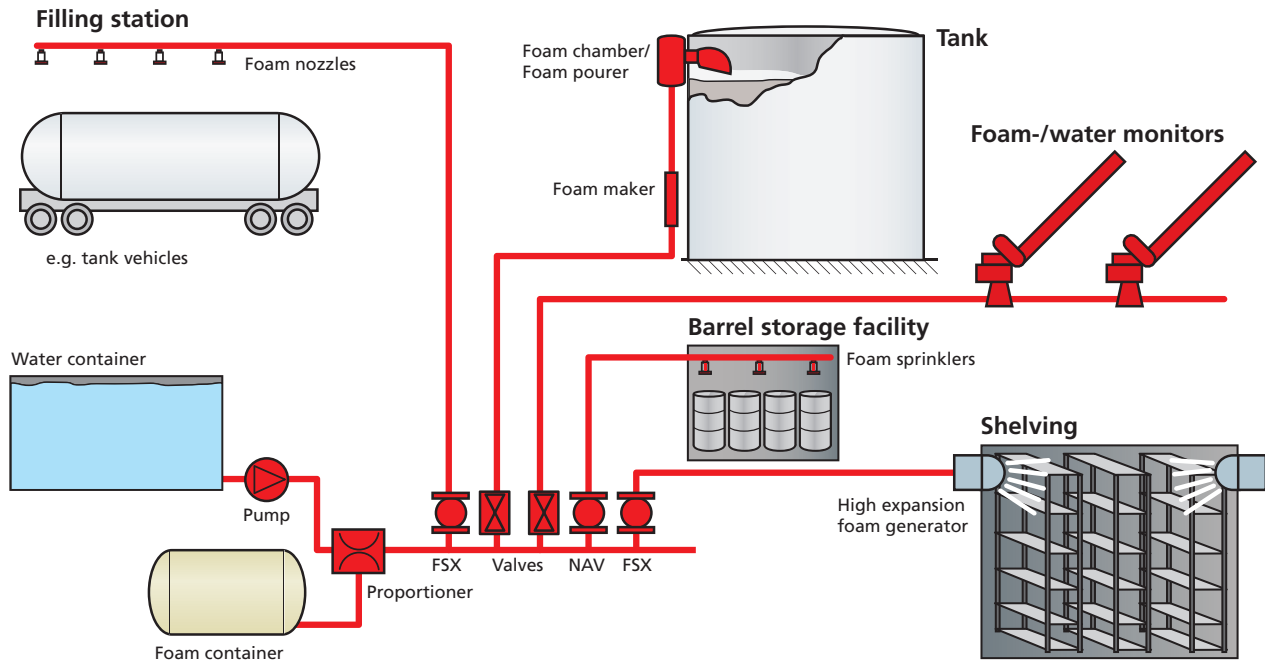
The foaming agent range includes a large number of protein and synthetic foaming agents. Foaming agents are available for all solid, liquid and alcohol/solvent fires.

# FUNCTION

simply effective

To generate foam, a proportionally constant quantity of foaming agent is added to the water flow using a mixing device. The water/foaming agent mix created is frothed up with

air in successive foam generators and then applied to the burning object using the dispersion method best suited to the risk type.



## Areas of application:

- Refineries/fuel depots
- Waste incineration plants
- Aeroplane maintenance hangars
- Storage racks with high plastics content
- The chemical industry
- Offshore and ships
- Coal silos
- Tyre depots

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