



# Tank Protection Systems

## Product overview



## Foam systems for flammable liquid storage protection

Quick control and suppression of a flammable liquid storage tank fire is critical for minimising structural damage and protecting product contents. The SKUM line of firefighting foam equipment delivers fast, automated response for tank storage applications.



### High performance

- Foam generators and pourers for most tank configurations.
- Subsurface and semi-subsurface injection systems for closed roof tanks.
- Suitable for multiple hazard environments.
- Engineered for use with SKUM foam concentrates for optimum efficacy.

## Configurable systems

The comprehensive range of SKUM tank protection equipment safeguards against storage tank fire and vapour hazards. SKUM solutions include:

- Fixed foam generators that quickly apply foam directly to a fuel surface. Often installed in bunded areas and basins, the foam blanket suppresses fire/vapours and protects against flame re-ignition.
- Over the top foam generators (OFG/OFGR) installed on the outside tank wall above the liquid fuel level. Upon activation the generators flood the fuel surface with aspirated foam.
- Subsurface injection systems that discharge foam into the bottom of closed-roof fuel tanks. The foam quickly floats to the fuel surface for fire suppression.
- Semi-subsurface injection options for installations where fuel compatibility precludes subsurface injection. In these systems, foam is delivered via a flexible hose that rises to the fuel surface upon activation.

## Approvals

SKUM tank protection equipment and systems are designed in complement with SKUM foam concentrates and are 3rd-party tested, rated, approved or certified to industry standards such as:

- FM Approved (5130 standard)
- KFSD (Kuwait)

Refer to the latest technical datasheets on [www.skum.com](http://www.skum.com) for product specific approvals.



## Broad application flexibility

SKUM tank protection equipment systems are available for both hydrocarbon and polar solvent liquid fuel hazards. Typical applications include bulk storage tank farms, petrochemical processing facilities, refinery complexes, aviation fuel stores, bund areas, pump pits and site perimeters. Equipment solutions are available for liquid storage tanks with:

- Cone or flat roof
- Closed, open, fixed, or floating roof
- Vertical or horizontal orientation

The optimum product selection depends on the specific tank type, the fuel therein, the hazard location and surrounding environment.



With more than 85 years of service to the firefighting industry, SKUM foam concentrates and hardware are globally renowned for delivering innovation and performance to protect high-risk special hazards. With a passion for protection, our cutting-edge products help make manufacturing and process industries around the world safer places in which to work and operate.

Drawing upon decades of experience, the SKUM Technical Service team provides knowledgeable assistance with:

- Design
- Assembly and installation
- Commissioning
- Certification training
- Specification
- Field Service
- Foam testing

For additional information, please visit [www.skum.com](http://www.skum.com)