

# Deck Foam System



## ■ SOLAS Rules

For Ships carrying chemicals or oils in bulk, SOLAS/IMO require a fixed deck foam system for extinguishing fires on deck or in tanks. In principal, the systems required are identical. however, for chemical tankers, IMO type2 and 3, the foam system is considerably larger than for crude oil tankers, due to the higher risk of fire in chemicals. Application Oil Tankers, Chemical Tankers and so on.

## ■ Foam for Fire Protection purpose

Foam for Fire Protection purpose is an aggregate of air-filled bubbles formed from aqueous solutions and is lower in density than the lights flammable liquids. It is mainly used to form a coherent floating blanket on flammable and combustible liquids to prevent or to extinguish fires by excluding air and cooling the fuel. It also prevents re-ignition by suppressing formation of flammable vapours. It has the property of adhering to surfaces, providing a degree of exposure protection from adjacent fires. Foam may be used as a fire prevention, control or extinguishing agent for flammable liquid in tanks or processing areas. Foam solutions for these hazards may be supplied by fixed systems or portable foam generating systems.

## ■ Application

This system is for Deck and Helicopter Deck.

In case that this system is applied to Heli-Deck system, the foam liquid should be approved by ICAO (International Civil Aviation Organization)

