



شركة المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT Co.

Empowering
a **Safer Future** for
the Kingdom

Foam
System



Quality Approvals for Various Products and Services

VER: 00-03/26



Foam System



General Description

This unit is a heavy-duty, self-contained, skid-mounted foam extinguishing system designed for rapid response to high-risk fire hazards. Because it utilizes its own propellant and foam supply, it operates completely independently of external water mains or power sources.

The system is engineered to rapidly deliver a highly effective foam blanket to smother fires, prevent re-ignition, and secure hazardous spills. The system utilizes high-pressure nitrogen gas to pressurize the main tank, which then forces the foam solution through the semi-rigid hose and out the discharge nozzle.



Application:

- ❖ It is used in oil and gas facilities such as refineries, drilling rigs, and petrochemical plants.
- ❖ It protects aviation areas including heliports, airplane hangars, and airport tarmacs.
- ❖ It is suitable for fuel storage and transfer areas like loading racks, tank farms, and pipeline stations.
- ❖ It provides protection in marine and offshore environments including ship engine rooms, decks, and offshore platforms.
- ❖ It is applied in industrial manufacturing areas such as chemical storage, paint plants, and warehouses storing flammable liquids.

Features & Benefits:

- ❖ Self-Contained operation and ideal for remote or high-risk locations.
- ❖ Equipped with two high-pressure nitrogen propellant cylinders, complete with a precision pressure regulator and gauges for reliable, instant tank pressurization.
- ❖ Features a heavy-duty steel pressure vessel designed to hold the premixed foam solution or water.
- ❖ Includes a semi-rigid hose reel with a manual crank handle, allowing the operator to deploy the hose quickly and easily without tangles.
- ❖ Fitted with a specialized discharge nozzle designed to aerate the foam solution effectively upon discharge.
- ❖ All components are securely housed within a rugged, steel frame, allowing the entire unit to be easily transported via forklift or mounted on a truck bed or trailer.
- ❖ Includes a secondary container for storing AFFF (Aqueous Film Forming Foam) concentrate, explicitly labeled for a 3% mixture ratio.

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