Deck Foam Fire Fighting system

Description:

The Unitor Fixed Deck Foam system protects the cargo tank deck area from fires.
The system is designed for safe, simple and reliable operation. Operating instructions are located in the foam central; an operator stands by with the foam monitor on deck.
System operation can if desired, be integrated with bridge systems.
The Unitor Fixed Deck Foam system consists of standard Unitor products, matched to the needs of each specific vessel.
The system consists of two main elements: the foam monitors and the foam central.

The Foam monitors:

The Unitor foam monitors represent a new generation in its field. The manually adjustable fog/jet nozzle is easy to operate and gives a high level of flexibility.
With one simple movement, the operator can adjust the spray pattern from fog to jet operation, resulting in a better control o the foam solution coverage area.

Features / Benefits:

- The monitors are available for manual or remote operation (hydraulic or electric)
- Unique moulded housing with specially developed adjustable fog/jet nozzle.
- Made of stainless steel, which reduces the need for maintenance and increases durability. – Compact design and low weight also makes the monitor easier to operate.
- The monitor is approved by a number of Classification Societies.

The foam monitors are supplied in accordance with requirements for e.g. capacity and throwing length. Two monitors are always mounted on the poop deck in front, front, while the remaining monitors are normally located along the centerline of the vessel's tank deck in order to give the best possible protection coverage.

The Foam Central:

The foam central is located outside the protected area, adjacent to accommodation spaces and readily accessible in the event of fire. The main components are: Foam tank, foam concentrate, foam pump and proportioner.
The foam tank is available in a range of sizes and contains the right quantity of concentrate necessary for operation in accordance with the calculated period of operation.
The tank is normally made of Glass fiber Reinforced Plastic (GRP) The material has three advantages.

- Non corrosive (Some foam types can be corrosive to steel)
- Chemically stabile (chemical reactions may render the foam concentrate to become useless)
- Strong and light weight material.

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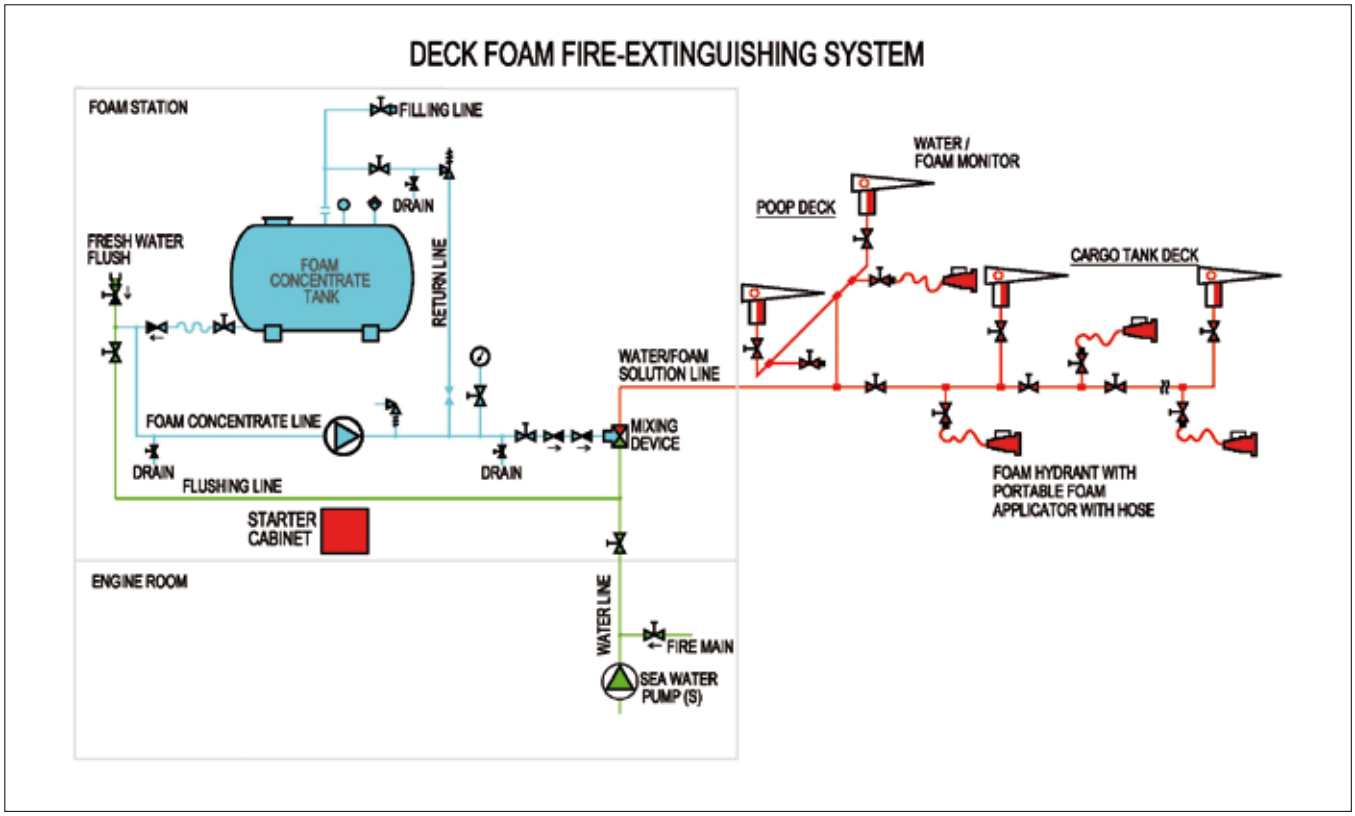

Technical Data

Monitor

Capacity (l/min)	1250–11000
Material	stainless steel
Max working pressure	16 bar

Applicator

Capacity (l/min)	200 to 400
Material	stainless steel
Pressure (bar)	3 or 6

Foam concentrate

Types	full range of protein and synthetic

Tank

Type	cylindrical
Material	glass fibre reinforced polyester (GRP) stainless steel on request

Mixing equipment

Type	balanced pressure proportioner or inductor
Capacity (l/min)	75 to 20.000
material	stainless steel and bronze

Pump

Type	centrifugal multi stage (& positive displacement)
Material	stainless steel
Voltage/frequency (V/Hz)	3x440/60 or on request
Insulation and enclosure	Class F, IP55
Opening	full size manhole for inspection