

STANDARD DESIGN



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FOAM SKID FOR POP-UP SYSTEM M-SKD21

GENERAL DESCRIPTION

The system is a compact unit designed to proportion an exact rate of foam concentrate directly to the fire water line close to the nozzles only using some of the energy in the water. Only to be hooked up to the water line and to the control signal from the control panel.

Special designed for systems using Matre pop-up nozzles, but also suitable to be installed in other applications.

DESIGN DESCRIPTION

The system can carry tank sizes 680l, 1000l and 1450l.

Due to requirements exceeding CAP 437 requirements this skid capacity can be used on helideck with high D-value or flow capacity demands (optional proportioner).

SYSTEM DESCRIPTION

Main components are tank for foam concentrate and turbine inline proportioner.

The turbine inline proportioner is powered only by the water flowing through. Through the turbine shaft the attached pump proportion foam concentrate in to the water flow at a calibrated rate.

An actuator valve will activate the system and shut it down during continuous running of fire pumps.

Foam insertion can be run in recirculation for test run without foam insertion.

One operation panel and one or more remote control panels can be placed indoor or outdoor according to applicable rules and requirements.

MAIN COMPONENTS ON SKID

- Skid for installation to the deck carrying all components.
- Ventilated tank with dip stick and drain valve for foam concentrate. Size 680l, 1000l or 1450l
- Manual pump for foam concentrate refilling.
- Strainer at water inlet to prevent particles to clog nozzles.
- Actuator valve to start or shut down system.
- Pressure indicators at inlet and outlet of inductor to monitor pressure and pressure loss.
- Ball valves to shut off filling pump and foam insertion.
- Control panel and remote control panel(s) are loose items to be installed according to rules.

TESTING AND CERTIFICATION

- Leakage test (tank)
- Pressure test (water line)
- Performance test.
- Material certificates.
- Certificate of conformity