FOAM TRAILER ENGINEERING

Fire & Hazard Control (FHC) custom engineers and builds foam trailers for specific purchaser requirements. Foam monitors and foam nozzles are supplied by leading global manufacturers in various GPM/LPM ratings up to 2000 GPM. The foam plumbing system is provided with four large diameter hose inlets for the foam monitors. A variety of foam educting nozzles or foam injection systems are available. Foam storage totes are integrated in the trailer design for excellent load balance and low center of gravity. Additional hose and equipment compartments can be engineered to carry supplementary firefighting equipment.

The custom built FHC foam trailer is equipped with suitable axles, tires, and suspension systems to meet GVWR requirements. Trailer steel framework and compartments are fabricated in various configurations.

FOAM MONITOR TRAILER

Foam Monitor Trailer

STANDARD FEATURES AND EQUIPMENT

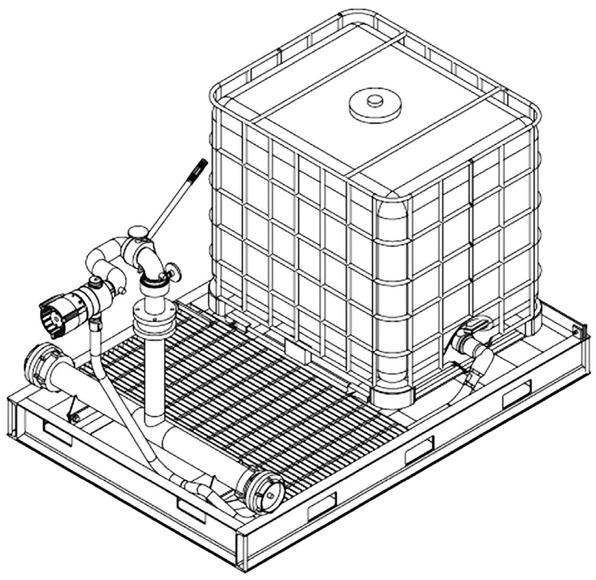
CUSTOM-BUILT TRAILER CONSTRUCTION
- Engineered to Specific Dimensions from 3 to 8 m in Length
- All Welded Steel Fabrication Trailer Sub-frame
- Various GVWR Carrying Capacities, Axles, Suspensions, Trailer Connection Hitches, Tires, Brake Systems, Lighting
- 4 Self-leveling Manually Operated Jack Systems

BODY CONSTRUCTION AND WORKING SURFACES
- All Welded Aluminum Extrusions and Aluminum Sheet Metal Panels
- NFPA Compliant Working Surfaces Around Monitors

HOSE STORAGE AREAS
- Hose Storage for Hand Lines and Large Diameter Hose

COMPARTMENTS
- Aluminum Compartment Construction with Custom Heavy Duty Aluminum Extrusions
- Custom Designed Compartment Layouts
- Hinged Doors or Roll-up Shutter Type Compartment Doors
- Equipment Mounting Provisions with Shelves, Roll-out Trays, Tool and Nozzle Mounting Boards

PLUMBING AND INTAKES TO MONITOR
- Each monitor shall be supplied by two 100 mm (4") or four 65 mm (2.5") gated intakes.
- All Stainless Steel #304 Piping and Fittings
- On/Off Gate Valve on Supply Line to Monitor



FOAM CONCENTRATE TOTES AND WATER TANK
- 1 or 2 Foam 1000 L Totes Installed, Center of Trailer
- Stainless Steel or Poly Foam and Water Tanks Custom Built in Various Sizes and Shapes
- Ballast Water Tanks with Fill and Drain Valves

FOAM MONITORS AND FOAM SYSTEMS
- Two 1250 GPM/ 5000 LPM Manually Operated Self-educing Foam Nozzles
- Optional Monitors with Ratings of 1875 to 7500 LPM (500 to 2000 GPM)
- Optional Remote Controlled and Wireless Monitors
- Optional Pr-engineered Built-in Foam Systems

Foam Monitor Trailer

OPTIONAL EQUIPMENT

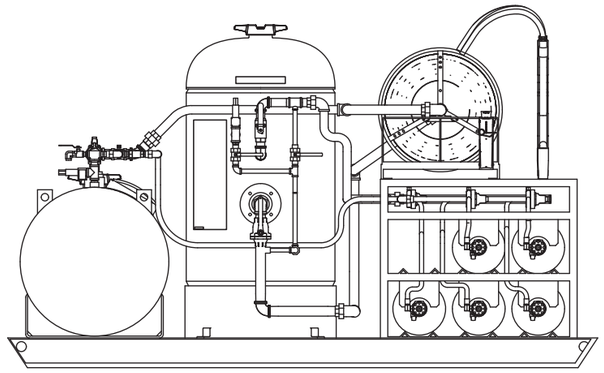
FOAM SYSTEMS

FOAM PUMPS
- 60, 150, or 300 GPM Foam Pumps (Diesel Driven)

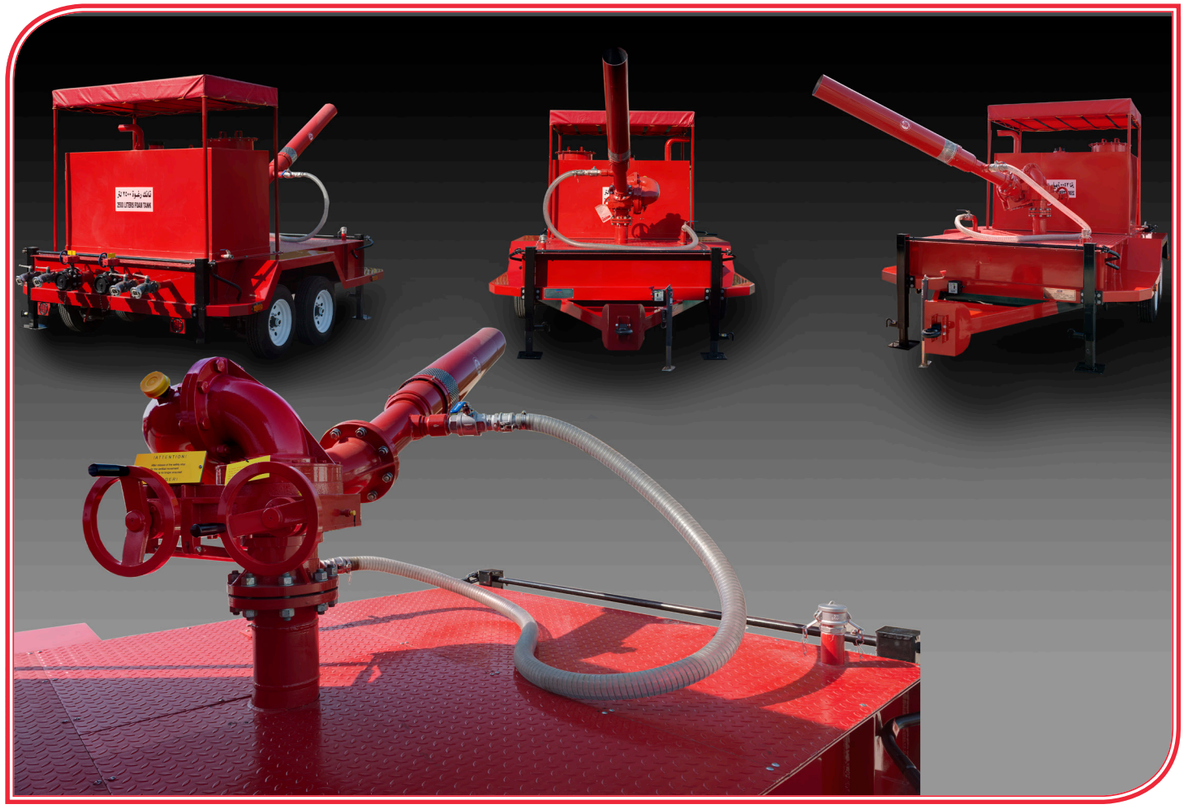
DIRECT INJECTION - FOAM SYSTEMS
- Single Point or Multi-point Foam Injection Systems
- Solution Flows to 7000 LPM (2000 GPM) at 6%

BALANCED PRESSURE - FOAM SYSTEMS
- Solution Flows to 7500 LPM (2000 GPM) at 6%

PR-ENGINEERED FOAM SYSTEMS
- Designed to Your Specific Needs
- Trailer, Skid Container, or Vehicle-mounted Systems



DRY CHEMICAL AND DUAL AGENT UNITS
- 225 kg to 450 kg Dry Chemical Firefighting
- 200 to 400 L of AFFF Premix Foam
- Single or Dual Agent Electric Hose Reels and Nozzles
- Nitrogen Cylinders and Chemical Included



Foam Monitor Trailer

KEY FIRE-SAFETY FACTORS: FOAM REQUIREMENTS

Storage Tank Fires – Approximate Total Foam Concentrate Requirements for 60-Minute Application (Based on 7.3 L/min/m2 for 60 minutes)

			Approximate Total Foam Concentrate Requirements or 60-Minute Application (L)				
Tank Diameter (m)	Surface Area of Top of Tank (m2)	Recommended Usage Concentration	FP	AFFF	FFFP	AFFF-AR	FFFP-AR
15	180	3% 6%	2,600 5,200	2,200 4,300	2,200 4,300	2,200 4,300	2,200 4,300
30	710	3% 6%	10,300 20,500	8,400 16,700	8,400 16,700	8,400 16,700	8,400 16,700
45	1600	3% 6%	26,000 51,900	21,100 42,100	21,100 42,100	21,100 42,100	21,100 42,100

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