

GLOBAL LEADER IN FOAM PUMPS AND FOAM PUMP SYSTEM DESIGN



**FIRE LION
GLOBAL**

THE ONLY UL APPROVED BARE SHAFT PUMP YOU'LL EVER NEED

The FP-series pumps are reliable specialized rotary gear, positive displacement firefighting foam pumps constructed entirely of corrosion-resistant materials. They utilize a single double lip style shaft seal made from 316 stainless steel and PTFE materials. Each pump features Duplex Stainless-Steel shafts designed to withstand sea water flush and accommodate any brand of foam concentrate. These pumps are applicable for both stationary and mobile foam system use. Common pump drive options include an electric motor, diesel engine, water turbine, hydraulic drive bracket, and truck chassis PTO.



Whatever your application, we have a solution for your industry. Our support team is available globally for sales, technical services and foam system commission. You can count on us when project timelines get compressed or perform field maintenance.

[Watch Video](#)



CUSTOM ELECTRIC & DIESEL UL/FM FOAM PUMP PACKAGES

UNSURPASSED RELIABILITY

For a comprehensive solution beyond pump replacement, we have complete foam pump packages. All configurations are UL listed and FM approved. The pump set packages include mounting on a base plate and alignment to a driver, which can be an electric motor, diesel engine, or Pelton wheel. Our versatile gear-type positive displacement pumps are designed for pumping all foam concentrates.



ELECTRIC FOAM PUMP PACKAGES



DIESEL FOAM PUMP PACKAGES

Each pump features an FM approved pressure relief/safety valve tested and approved for use with Fire Lion pumps. Additionally, a liquid-filled pressure gauge (discharge side of the pump) and compound gauge (suction side of the pump) are included as part of the foam pump package. We also provide UL listed and FM approved foam pump controllers tailored to your project requirements. As a UL/FM-approved manufacturer, we specialize in foam pump packages for various industries, including petroleum, oil and gas, aircraft hangars, emergency response, and specialty chemical storage.



UNIVERSAL FOAM PUMPING

Fire Lion gear-type positive displacement transfer pumps are the only effective option for pumping AFFF, AR-AFFF, FP, FFFP, High Ex, and SFFF foam concentrates.



RELIABLE, ON-THE-GO TRANSFER PUMPS

VERSATILITY WHEN YOU NEED IT MOST.

Portable foam concentrate transfer pumps are useful for moving foam concentrates between containers and atmospheric tanks. Available in various configurations, including trailer mounted, push carts, and carry handles, they can use electric or gasoline/diesel engines with capacities from 8 gpm to over 400 gpm. Transfer pumps are a great compliment to fire suppression systems in petroleum, oil and gas, aircraft hangars, emergency response, and specialty chemical storage industries.



TRAILER MOUNTED TRANSFER PUMP



PORTABLE TRANSFER PUMP



HIGH FLOW TRANSFER PUMP



FT SERIES PORTABLE TRANSFER PUMP





WE ARE YOUR PARTNER IN FOAM PUMPS AND FOAM PUMP SYSTEMS

ENGINEERING & DESIGN

We are known for our industry leading gear-type positive displacement foam pumps but that is just the beginning. Whatever your project demands we'll design a solution to your specific requirements. Whether it is a single pump, foam pump package, a skid, or retrofitting your existing system we have a solution for you.

SERVICE AND MAINTENANCE

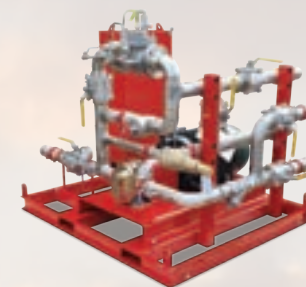
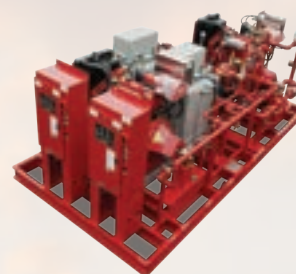
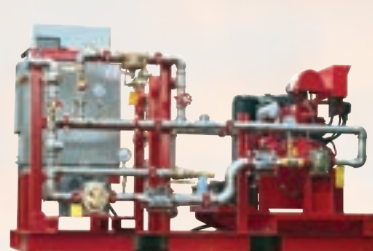
PUMP RETROFIT

Replacing PFAS foams with Fluorine-Free (SFFF) foams can affect pump performance. When updating positive displacement foam pumps in firefighting systems, it is important to consider the impact of replacing the pump in the overall system design. We have experience with most brands and can assist with retrofit solutions, aiming to minimize downtime and extend the lifespan of equipment. Trust Fire Lion Global to keep your systems running smoothly and compliant with industry standards.

EDWARDS PUMP REPAIR

Fire Lion Global offers a comprehensive Edwards pump rebuilding service with a 12-month warranty. We reconstruct these pumps in our shop within a 3-week turnaround, minimizing your downtime. Choose Fire Lion Global to extend the life of your equipment with our reliable, warranty-backed service.

FOAM PUMPING SYSTEMS DESIGNED TO YOUR SPECIFICATIONS



COMPREHENSIVE PUMPING SYSTEMS FOAM PUMP SKIDS

The Foam Pumping System is a fully assembled foam concentrate skid, custom-designed to your specifications. Each skid includes a Fire Lion gear-type positive displacement foam pump for handling various foam concentrates. The skids include suction and discharge piping, pressure sustaining or pressure balancing valve and comprehensive valves and fittings. They also come with a magnetic flow meter for NFPA 20 compliance testing. Our designs consider NPSHa requirements, ensuring efficient foam pumping systems. We are your global UL/FM-approved manufacturer specializing in skid design and fabrication.



PROPORTIONING SYSTEM TESTING WITHOUT DISCHARGING WATER ELECTRONIC FOAM PROPORTIONER

The WB Firepacks Electronic Foam Proportioner EFP® is an electronically controlled foam proportioning system known for its accuracy. The EFP® measures the required amount of foam concentrate and continuously monitors the foam mixture. The internal testing feature allows for annual or weekly tests without mixing the foam concentrate with water, thus avoiding foam loss or environmental impact during testing. The EFP® is compatible with all foam agents, including SFFF foams, and reduces costs associated with foam disposal and replenishment. With FM-approved technology, it ensures zero pressure loss in the water line, can recirculate foam concentrate back to the tank during testing, and simulate water flows for testing.

ENGINEERED PUMP SOLUTIONS TO MEET THE DEMANDS OF YOUR APPLICATION

SITE SURVEY

Whether upgrading or implementing a new pump system, understanding your specific needs is vital to the success of the project. Aligning with advancements in foam technology can be challenging with an existing pump system and requires an on-site evaluation. Similarly, a new pump system necessitates thorough environmental assessment. At Fire Lion Global, we ensure your pump system complies with current code standards.

ENGINEERING & DESIGN

Positive displacement foam pumps need precise engineering, especially with the shift to Synthetic Fluorine-Free Foams (SFFF). As the industry transitions from Aqueous Film-Forming Foam (AFFF) to SFFF, specific considerations are crucial for reliable operation. Our expert engineering team can help with pump system design and fabrication to ensure your pump system meets operational requirements and standards set by UL, FM, and NFPA 20.

STARTUP & SYSTEM COMMISSIONING

Your pump system is not complete without proper startup and system commissioning. It is the crucial last stage to ensure your pump system is thoroughly reviewed and validated. Our factory-trained and authorized personnel will oversee on-site operational testing, ensuring optimal performance and compliance with NFPA 20 Standards.

INDUSTRIES & APPLICATIONS

Foam concentrate pumps are integral to fire suppression systems for many applications, including—but not limited to—the petroleum, oil and gas (POG), aircraft hangars, emergency response, and specialty chemical storage industries.



#1 SOURCE FOR FOAM PUMPS AND FOAM PUMP SYSTEMS

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Fire Lion Global is your pump partner with proven solutions for your design and engineering challenges.

firelionglobal.com



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