





**FAMOCHEM**  
Low Friction-Gear Type  
Manual Monitor



**WARNING**

200 PSI/14 BAR Max  
1250 GPM/300 LPM Max  
4" 150# ANSI Flange In  
Manufacturer: FAMOCHEM



**FAMOCHEM**

GmbH

## **Famochem GmbH**

### **Firefighting equipment manufacturer and supplier**

Famochem GmbH is one of the leading manufacturer and supplier companies based in Germany, which produces and supplies Firefighting agents and equipment with the most enhanced and innovative technologies, thanks to its experienced experts in the R&D team and the production line which was able to obtain several well-known standards for its products including UL-listed certificate for various foam types and the firefighting hoses.



FAMOCHM-FMGS4800

MODEL : 1120



FMGS4800 series are heavy duty fixed monitors suitable for Oil and Gas industries, equipped with embedded and separated maintenance free gears.



## Technical Data

Body Material: Stainless Steel 304 (Grade 316 is available based on the request)

Hand Wheel Material: Hard Anodized Aluminum

Movement: Double worm Gear

Nozzle Type: Selectable Flow

Nozzle Connection Size: 3" NH

Flow Rate: 3600/4000/4800lpm @ 8Bar

Max Through Length @ 8Bar: 60~85meter

Range of Motion: -60° to + 90° Vertically, 360° Horizontally

Inlet Connection: 4"/5" ANSI or DIN (other standards are available based on the request)

Other Applicable Nozzles:

FAMOCHM-LES14800 – SI – 3800

FAMOCHM-MNSF4800SI – 3000 - 3600

FAMOCHM-ATM4800 – 3600 - 3000

FAMOCHM-BM3840SI - Normal



FAMOCHM-FMGS2400

MODEL : 1121



FMGS2400 series are heavy duty fixed monitors suitable for Oil and Gas industries, equipped with embedded maintenance free gears.



## Technical Data

Body Material: Stainless Steel 304

Hand Wheel Material: Hard Anodized Aluminum

Movement: Double worm Gear

Nozzle Type: Selectable Flow

Nozzle Connection Size: 2.5" NH

Flow Rate: 1200/1800/2400lpm @ 8Bar

Max Through Length @ 8Bar: 65meter

Range of Motion: -60° to + 90° Vertically, 360° Horizontally

Inlet Connection: 3"/4" ANSI or DIN (other standards are available based on the request)

FAMOCHM-LES12400 – SI – 1400 – 2000 – 2400 - 2800

FAMOCHM-MNSF2400SI – 1800 – 1200 / Normal

FAMOCHM-ATM3000

FAMOCHM-BM2400SI – 2000 – 2800 / Normal



FAMOCHM-GT2400M-AL

MODEL : 1122



GT light fix monitor series are light weight fixed monitors suitable for all firefighting applications, equipped with double worm gears and available in three sizes.



## Technical Data

Body Material: Hard Anodized Aluminum

Wheel Material: Hard Anodized Aluminum

Movement: Worm Gear

Range of Motion: -75° to + 90° Vertically, 360° Horizontally

Flow Rate: 2400lpm @ 8Bar

Max Through Length @ 8Bar: 65meter

Nozzle Connection: 2.5" NH Male Thread

Inlet Connection: 4" ANSI #150 or DIN (other standards are available based on the request)

FAMOCHM-LESI2400 – SI – 1400 – 2000 – 2400 - 2800

FAMOCHM-MNSF2400SI – 1800 – 1200 / Normal

FAMOCHM-ATM3000

FAMOCHM-BM2400SI – 2000 – 2800 / Normal

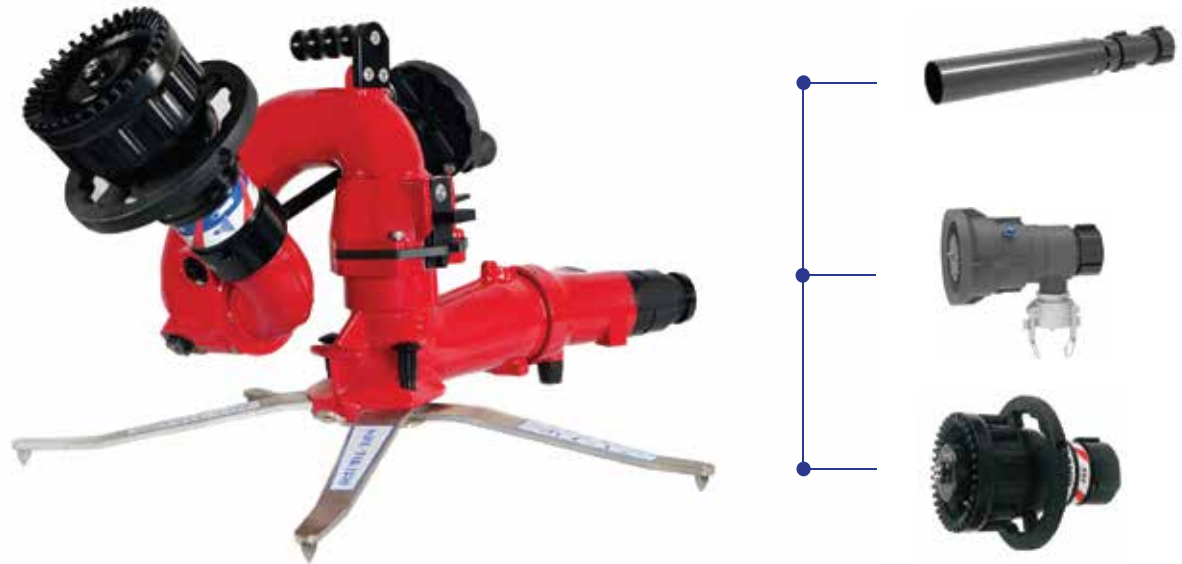


**HF4800A**

**MODEL : 1106**



HF4800A series are portable ground monitors suitable for industrial firefighting, with 4 foldable anti-sliding legs and detachable mechanism.



## Technical Data

Head Nozzle Type: Jet-Fog  
Flow Rate: Automatic 4800 LPM @8bar  
Nozzle Type: Automatic Pressure (other nozzles are applicable)  
Weight: 19kg  
Single Hand Wheeled  
Body Material: Hard Anodized Aluminum Alloy  
Connection type: 2X2.5" (All standard quick couplings are applicable)  
Horizontal movement angle:  $\pm 90^\circ$   
Vertical movement angle:  $+30^\circ \sim +85^\circ$   
Max Through Length: 85m @ 8Bar  
Optional Safety Inlet Valve is applicable

FAMOCHM-LESI4800 – SI – 3800

FAMOCHM-MNSF4800SI – 3000 - 3600

FAMOCHM-ATM4800 – 3600 - 3000



**FAMOCHEM-RC4800A**

**MODEL : 1202**



FAMOCHEM fixed remote monitor series are heavy duty fully stainless steel made with remote automatic pressure control nozzle, equipped with joy-stick and remote control.



## Technical Data

Body Material: Stainless Steel 304 or 316

Nozzle Type: Automatic

Flow Rate: 600-4800lpm @ 8Bar

Max Through Length @ 8Bar: 85meter

Range of Motion: -45° to + 85° Vertically, -180° to +180° Horizontally

Nozzle Connection: 2.5" NH Male Thread

Inlet Connection: 3"/4" ANSI or DIN (other standards are available based on the request)

Power Supply: 24/48V-DC, 100-380V-AC









FAMOCHM-RSS

MODEL : 1200



Fire truck remote monitor series are heavy duty fully stainless steel made with remote motorized flow control , equipped with joy-stick and remote control, programmed for several modes such as attacking and parking modes .



## Technical Data

IP 67 protection

Body Material: Stainless Steel 304 or 316

Nozzle: Hard Anodized Aluminum with PTFE Coated

Nozzle Type: Blabber Mouth, Selectable motorized flow control

Flow Rate: 3600-6000lpm @ 10Bar, 4200-7200lpm @ 10Bar

Max Through Length @ 8Bar: 85-100meter

Range of Motion: -15° to + 70° Vertically, 165° Horizontally

Inlet Connection: 4"/ 5"/ 6" ANSI or DIN (other standards are available based on the request)

Power Supply: 24V-DC



### Truck Remote Monitor:

- Self-oscillation mode with a flow of 7200lpm can be done automatically which the start and end points can be set precisely by the operator.
- After using, the monitor has the ability to Auto-park itself on the zero-point location by a simple command.
- There are three methods of control in this product including a joystick inside the truck cabin, a remote control with full commands with a range of 150 to 200meters away from the truck and a touch screen control (optional) which can bet installed in a command center.
- A 7inches monitor is included which illustrates the horizontal and vertical angles and the monitor in addition to the flow rate and its modes.
- IP 67 protection





FAMOCHM-FMGT6000-AL

MODEL : 1124

FMGS2400 series are heavy duty fixed monitors suitable for Oil and Gas industries, equipped with embedded maintenance free gears.



## Technical Data

Body Material: Aluminum

Hand Wheel Material: Hard Anodized Aluminum

Movement: Double worm Gear

Nozzle Type: Selectable Flow

Nozzle Connection Size: 2.5" NH

Flow Rate: 1200/1800/2400lpm @ 8Bar

Max Through Length @ 8Bar: 65meter

Range of Motion: -60° to + 90° Vertically, 360° Horizontally

Inlet Connection: 3"/4" ANSI or DIN (other standards are available based on the request)

FAMOCHM-LESI2400 – SI – 1400 – 2000 – 2400 - 2800

FAMOCHM-MNSF2400SI – 1800 – 1200 / Normal

FAMOCHM-ATM3000

FAMOCHM-BM2400SI – 2000 – 2800 / Normal



FAMOCHEM-LT1800M

MODEL : 1125



LT fix monitor series are light weight fixed monitors suitable for all firefighting applications, equipped with stainless steel lever.



## Technical Data

Body Material: Hard Anodized Aluminum

Lever Material: Stainless Steel 304

Movement: Hand Lever

Flow Rate: 1800lpm @ 8Bar

Max Through Length @ 8Bar: 60meter

Range of Motion: -45° to + 75° Vertically, 360° Horizontally

Nozzle Connection: 2.5" NH Male Thread

Inlet Connection: 3"/4" ANSI or DIN (other standards are available based on the request)

FAMOCHEM-LESI2400

FAMOCHEM-MNSF2400

FAMOCHEM-MNSF2400SI



**FAMOCHM-SFN475**

**MODEL : 1401**

### Technical Data

High resistance to the mechanical impacts and thermal shocks by using light-weight aluminum alloy Pistol grip and Handle

Head Nozzle Type: Jet-spray-fog Flow

Flow Rate (lpm): (115-230-360-475)

Opening/shutoff by Ball Valve and Handle

Body Material, Pistol Grip and Valve Handle: Hard Anodized Aluminum with PTFE Coated

Connection type: 2.5"/ 1.5" (all standard quick couplings are available)

Metallic Spinning Teeth

Pins and screws in stainless steel



**FAMOCHM-SFN950**

**MODEL : 1402**

### Technical Data

High resistance to the mechanical impacts and thermal shocks by using light-weight aluminum alloy Pistol grip and Handle

Head Nozzle Type: Jet-spray-fog Flow

Flow Rate (lpm): (360-475-550-750-950)

Opening/shutoff by Ball Valve and Handle

Body Material, Pistol Grip and Valve Handle: Hard Anodized Aluminum with PTFE Coated

Connection type: 2.5"/ 1.5" (all standard quick couplings are available)

Metallic Spinning Teeth

Pins and screws in stainless steel



**Fire nozzle (product Name):**

- Famochem nozzles are easy and safe to operate even under high water pressures because of strong materials that were used in different parts such as aluminum Valve and Grip handles while attached by two stainless steel pins to the nozzle's body.
- The flow rate is selectable between a range of 125 to 475 LPM easily and two modes of straight and fog can be adjusted as well.
- The inlet has the anti-kink feature for the attached fire hose.
- The outlet has a metallic spinning teeth with long endurance.





FAMOCHEM-Superlight 2000SO

MODEL : 1102



Superlight 2000SO series are light weight portable monitor suitable for all firefighting applications, with 4 foldable anti sliding legs and self-oscillating mechanism.



## Technical Data

Anti-Skid Tungsten Nail on Each Foot to Prevent Sliding

Shock Absorber Mechanism Inside for Automatically Self-Adjusting on even surfaces which also stands as recoil buffer

Opening/shutoff by Ball Valve with Stainless Steel Hand-Lever Operation

Body Material: Hard Anodized Aluminum with Plastic-spray surface treatment Head Nozzle Type: Jet-Fog (other nozzles are applicable)

Flow Rate: Selectable 2000 LPM @8bar

Weight: 14kg

Connection type: 3" NH (All standard quick couplings are applicable)

Shut-Off Valve with Hand-Lever Operation

Horizontal movement angle: +20°~ +40° (Adjustable)

Vertical movement angle: +20°~ +70°

Max Through Length: 65m

FAMOCHEM-LESI2400 – SI – 1400 – 2000 – 2400 - 2800

FAMOCHEM-MNSF2400SI – 1800 – 1200 / Normal

FAMOCHEM-ATM3000



### Ground Monitor Superlight 2000 (Self-Oscillation)

- Light-weight material can ease the carriage significantly so that the installation time of the monitor would be reduced due to emergency situations.
- Head nozzle can be changed due to the usage options between water and foam solutions.
- The oscillation mode has a rotation range of 20 to 40 degrees which can automatically shoot for an unlimited time.





## Firefighting Hose

Nitrile Rubber three-layer fire hoses are UL listed with durable outer layer and low friction inner layer.

### Technical Data

Type III

Construction: Liner and Cover from Nitrile Rubber, Reinforced with Polyester

Features: Ribbed Cover with great abrasion resistance, smooth liner for minimum friction loss

Durability: Resistant to UV, most Acids, chemical and petroleum products, weather

Working Pressure: 21 Bar

Burst Pressure: 63Bar

Available Size: 1 1/2", 1 3/4", 2", 2 1/2", 2 3/4", 3"

Color: on request

Couplings: on request

Length: on request

Approval: UL-Listed

Quick Couplings on Request



## Certificate of Compliance

**Certificate Number:**  
EX29132

**Report Reference:**  
EX29132-20230925

Issued to:  
**Famochem GmbH**  
**Lichtstr. 2, Essen**  
**Nordrhein-Westfalen 45127 Germany**

This certificate confirms that representative samples of:  
**FIRE HOSE, LINED, UNCOUPLED, FOR MUNICIPAL AND INDUSTRIAL USE**  
**Double-jacketed, Model(s): FAMOCHEM Nitrile Rubber Hose**

Has been evaluated by UL LLC in accordance with Standard(s) for Safety:

### **UL 19, Lined Fire Hose and Hose Assemblies**

Additional Information:  
See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



David Piecuch  
UL Mark Certification Program Owner



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## **Extinguishing Foam Concentrate**

Famochem GmbH provides a wide range of extinguishing foam concentrates types which have obtained UL listed standards for various doses. Moreover, according to the well-known firefighting standard and environmental regulations, Famochem is able to produce the most enhanced foam concentrates which not only have the excellent functionality but obeys the regulations by its environmentally friendly formulas.

### **AR-FFFP 3% x3% - 3% x 6%**

FAMOCHEM Alcohol Resistant Film-Forming Fluoro Protein (AR-FFFP) foam concentrates are ideal for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires. They provide a tough cohesive foam blanket with high resistance to heat that provides the same post-fire security as a top quality Fluoro Protein (FP). Fluoro chemical surface active agents combined with the protein base produce a vapour sealing aqueous film on hydrocarbons that provides the same fast control and extinguishment as a top quality synthetic AFFF. On polar solvents, and insoluble polymer membrane is formed which protects the foam blanket from the solvent.

### **FP-FLUOROPROTEIN 3% & 6%**

FAMOCHEM Fluoro Protein (FP) foam concentrates are based on advanced protein foam technology and are ideal for extinguishing and securing flammable hydrocarbon liquid fires. The protein base provides a tough cohesive foam blanket with high resistance to heat that quickly smothers, cools, and seals the risk. Fluoro Chemical surface active agents combined with the protein base increase the fluidity and fuel shedding properties of the foam. Fluoro protein foam concentrates are ideal to use in high risk situations where hydrocarbons (such as aviation kerosene, crude oil, gasoline, and diesel fuel) are stored, processed, or transported. They are used extensively for tank protection and other refinery based risks as well as at jetties and offshore installations, process areas, road/rail loading racks and marine.

### **FFFP-FILM FORMING FLUORO PROTEIN 3% & 6%**

FAMOCHEM Film Forming Fluoro Protein foam concentrates are based on advanced Protein Foam technology and are ideal for extinguishing and securing flammable hydrocarbon liquid fires. FFFP foams have the additional advantage that they can be used unassisted due to their ability of film formation. The protein base provides a tough cohesive foam blanket with high resistance to heat that quickly smothers, cools, and seals the risk, and the film formation ability brings rapid knockdown. Film Forming Fluor Protein foams are ideal to use in high risk situations where hydrocarbons (such as aviation kerosene, crude oil, gasoline, and diesel fuel) are stored, processed, or transported. They are used extensively on Rapid Intervention Vehicles at major international airports and military bases where fast extinguishment and post-fire security with limited quantities of foam concentrate are essential.

### **AR-AFFF – ALCOHOL RESISTANT AQUEOUS FILM FORMING FOAM**

1% x 1% - 3% x 3% - 3% x 6% - 6% x 6%

FAMOCHEM Alcohol Resistant Aqueous Film Forming Foam Concentrates, AR-AFFF are especially effective for extinguishing and securing flammable hydrocarbon and polar solvent fires. High risk facilities such as refineries, pharmaceutical plants, process areas often require R-AFFF foams. They produce a vapor-sealing aqueous film that spreads rapidly over hydrocarbon surfaces to provide rapid control and extinguishment. On polar solvents, an insoluble polymer membrane is formed which protects the foam blanket from the solvent.




## AFFF-AQUEOUS FILM FORMING FOAM 0.5% - 1% - 3% - 6%

FAMOCHEM Aqueous Film Forming Foam Concentrates are designed for rapid fire knockdown by producing a thin aqueous film which spreads across the surface of the fuel and separated the fuel from oxygen. This is accomplished by allowing the foam solution to quickly drain from the foam bubble which in turn, affects long term salability and burn back resistance. The aqueous film is produced by the fluorocarbon surfactant reducing the surface tension of the foam solution to a point where the solution can be supported by the surface tension of the fuel. The effectiveness of the aqueous film is directly influenced by the surface tension of the fuel.

## Fluoro Free Protein Foam 3%-6% (Environmentally Friendly)

FAMOCHEM protein foam concentrate is a low expansion foam concentrate based on natural re-growing protein carries foam stabilizers and anti-freezing compounds. Protein foam concentrate ensures the production of stabilized fluid foam. It is a highly reliable fire-fighting agent suitable for non-polar flammable solvents. The foam covers burning surface forming a cohesive continuous blanket on the fuel surface ; cuts off air,cools the fuel and other surfaces there by reducing the reignition.In addition, this is an environmentally friendly type of extinguishing foam which does not have any additive material or dangerous substances.

CERTIFICATE OF COMPLIANCE	
Certificate Number	EX28758
Report Reference	EX28758-20220713
Issue Date	2022-OCTOBER-12
Issued to:	Famochem GmbH Lichtstr. 2 Essen, 45127 Germany
This certificate confirms that representative samples of	FOAM LIQUID CONCENTRATES See Addendum Page(s) for Models/Product
	Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 162 - UL Standard for Safety for Foam Equipment and Liquid Concentrates
Additional information:	See UL Product IQ® at <a href="https://iq.ulprospector.com">https://iq.ulprospector.com</a> for additional information.
<p>This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.</p> <p>Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.</p> <p>Look for the UL Certification Mark on the product.</p>	
 Bruce Matzulis, Conference Assessment Director UL LLC <small>All information and documentation including UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Customer Service at <a href="mailto:customerservice@ul.com">customerservice@ul.com</a>.</small>	



## F series foam concentrate gear pump

Famochem F Series timing gear pumps are self-priming and can pump multiple viscosities of foam concentrate or water. The design is suitable for electric, diesel/gasoline engines.

### Technical Data

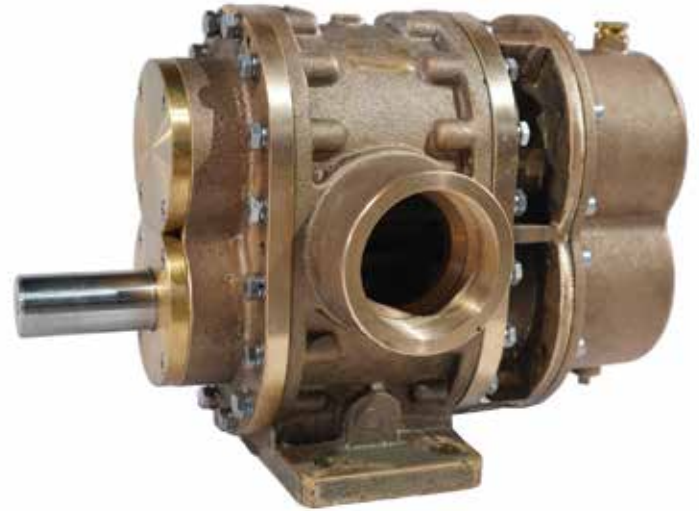
6 Sizes: F6, F7, F8, F9, F7T, F8T

4 speeds: 1000rpm, 1200rpm, 1500rpm, 1800rpm

Viscosity Range: 1 cPs to 9500 cPs (suitable for Newtonian and Non-Newtonian firefighting foam concentrates including AFFF, AR-AFFF and high viscosity fluorine free foams.)

Max Flow Rate: 909L/min@20bar, 1500rpm

293Gpm@290psi, 1800rpm



**F series foam concentrate gear pump**

- There are 48 configuration options available for the Foam concentrate gear pumps which the key factor choices in customization are as below:
  - The driver shaft can be set at up or down position.
  - The shaft rotation can turn clockwise or counterclockwise.
  - The Suction and discharge have 3 material options, Groove, Thread and Flange.
  - The spline shaft standard can be chosen among SAE, DIN, JIS.



## Contact Us

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