



# THE SWEDISH ORIGINAL WATER DRIVEN PUMP PROPORTIONER – COMPANY PRESENTATION

Firemiks AB is a Swedish company with a background history from 1979 of producing water driven foam pump systems.

Since 2010 we brand our units FIREMIKS - a reliable and easy-to-use foam pump proportioner, driven by the water flow only.

[www.firemiks.com](http://www.firemiks.com)

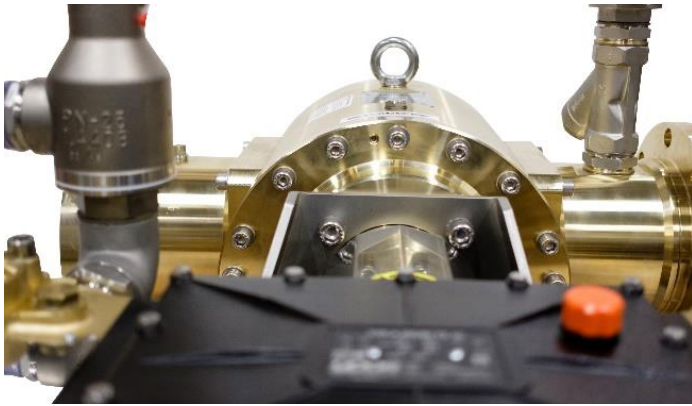
## “ OUR MISSION

To provide **reliable, efficient** and **high-quality** dosing systems for fire-fighting in every part of the world.

## OUR VISION

Steadily **reduce loss** in **human lives, property** and **environmental damages** by making the world **better equipped** to **stand against fire disasters**. ”

**- by simplifying foam proportioning**



Our in-house developed FIREMIKS is a mechanical self-regulating and flow-controlled system with a wide flow and pressure range.

An efficient proportioning system where utility, operational cost and environmental concerns are paramount.

## EASY TO INSTALL

### **FIREMIKS IS A COMPACT ONE-PIECE DOSING SYSTEM, EASY TO INSTALL**

- There is no need for additional proportioner, pressure tank or electrical/diesel motor.

FIREMIKS is driven by the water flow only and connects to an atmospheric foam tank easy to refill, even during action.

## EASY TO USE

### **FIREMIKS IS A RELIABLE AND EASY-TO-USE FOAM PROPORTIONER, DRIVEN BY THE WATER FLOW ONLY**

- Correct proportioning is made automatic, FIREMIKS adjust itself for changes in a wide flow- and pressure range.

No need for complicated pressure balancing and/or calibration.

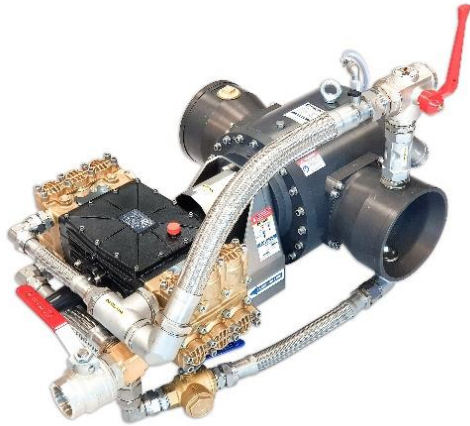
## EASY TO TEST

### **ECONOMICAL AND ENVIRONMENTALLY ACCEPTABLE TESTING WITH THE OPTION OF ADDING A DOSING RETURN VALVE**

- All FIREMIKS-units can be supplied with a Dosing return valve (DRV). A feature that return the concentrate back to the tank during a test. This minimizes consumption of concentrate and avoids finished foam to be cleaned up for destruction.

An environmentally beneficial option with potential for large cost savings.

# OUR PRODUCTS



## PISTON PUMP TYPE FOR FIXED INSTALLATIONS

Our FIREMIKS equipped with Piston pumps (-PP) is particularly suited for use in systems with low start flows, for example sprinkler systems. Also very suited for low and medium viscosity concentrates.



## GEAR PUMP TYPE FOR FIXED INSTALLATIONS

Our FIREMIKS provided with a Gear pump (-GP) is particularly suited for working in the higher end of a systems maximum flow rate, Also very suited for high and very high viscosity concentrates, incl fluorine-free foams, (3F).



## UNITS FOR MOBILE USE


Connect the FIREMIKS Mobile unit to a water source, such as a hydrant or a fire truck and insert the suction tube into a concentrate drum or tank, and it is ready to be used!

# OUR WORLD MARKET

During the years we have built a renowned trademark, supplying FIREMIKS-units to more than 40 countries world-wide. From Sweden to for example: Indonesia, Australia, Brazil, Taiwan, South Africa, Israel, Finland, Germany, Austria, UK, France, Mexico, Spain, Italy, Russia, Singapore, Colombia, UAE, Oman, among others.



# EXAMPLES OF OUR CERTIFICATIONS



**DNV-GL**

**DNV-GL**

We supply units with DNV  
Marin approval and DNV  
verifications of our FAT



**BUREAU VERITAS**  
Certification

**ISO 9001 : 2015**

Certificate no SE006796-1  
by Bureau Veritas



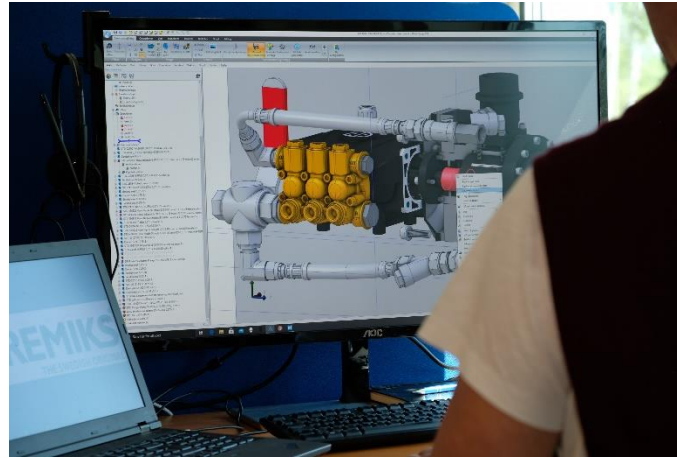
**CE-mark**

FIREMIKS® is CE-marked. We  
declare that all our FIREMIKS®-  
units conforms with European  
Directive 2006/42/EC.

# FROM CUSTOMER REQUIREMENTS...



We are a firmly customer-oriented company and listens carefully to the requirements presented to us, with the aim to offer the most suitable dosing solution, based on each end-users' specific needs.



Our FIREMIKS-units are researched and designed in-house, based on experiences and knowledge gained from more than 35 years.



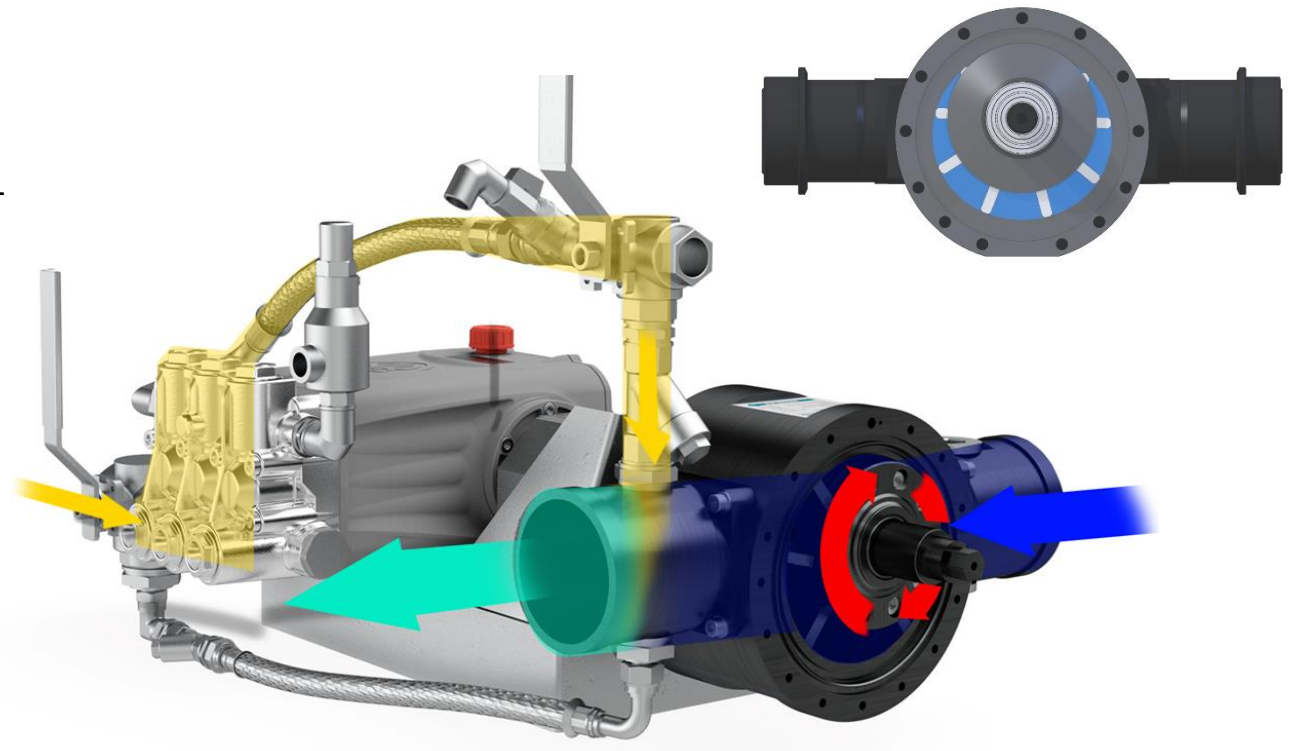
All our water motors are machined to our design in Sweden. This production method enables us to easily produce in different water motor material, even for a single unit, and also to make other types of adjustments.

# FROM CUSTOMER REQUIREMENTS...

## UNIQUE WATER MOTOR

---

- Unique in-house designed volumetric multi-vane water motor in many sizes. Multiple overlapping vanes results in spreading of loads and a wide volumetric function, without using moving elastomer sealing or spring-loaded vanes.
- The robust multi-vane motor gives low noise, smooth start and rotation.
- Modular system and machined parts allow for tailor-made solutions to meet specific customer dosing challenges.





# FROM CUSTOMER REQUIREMENTS...

To cover the wide variety of foam concentrates and viscosities, we offer two pump types to meet the different flow characteristics of these concentrates.



- Our FIREMIKS provided with Piston Pump (-PP) are particularly suited for use in systems with a wide flow range, for example sprinkler systems.
- Piston pumps have a limit upwards to high viscosity concentrates for correct dosing. If the static viscosity is too high, the concentrate will not flow smoothly and therefore the correct dosing rate might not be achieved.



- Our FIREMIKS provided with a Gear pump (-GP) are particularly suited for working in the higher end of a systems maximum flow rate, such as deluge installations and full flow monitors.
- They are also very suited for high and very high (up to at least 8000 cP) viscosity concentrates, incl new fluorine-free (3F) foams.

# ... TO A WIDE VARIETY OF CUSTOMER APPLICATIONS



**INDUSTRIAL**

One-piece compact system easy to install together with an atmospheric foam tank suitable both for deluge and sprinkler system.



**FIRE TRUCKS**

With FIREMIKS, installed in a Fire truck, one gets a versatile foam proportioner without the need of electricity and with no contamination of water pump.



**FOAM TRAILERS**

FIREMIKS installed on a Foam trailer creates a flexible and powerful foam system, easy to connect to fixed piping systems or to be used for handheld-nozzles.



**MOBILE USE**

FIREMIKS, easy to adapt to different fire-fighting situations. Use several nozzles simultaneously, quickly open and close them at will and position them at different lengths and heights.



**MARINE - OFFSHORE**

FIREMIKS is available with the water motor entirely made of bronze or stainless steel, making it suitable for offshore, shipping and other installations where seawater is used.



Thank you for your attention!  
For more info, visit

[www.firemiks.com](http://www.firemiks.com)