FIREMIKS®

www.firemiks.com

WATER DRIVEN VOLUMETRIC PUMP PROPORTIONERS

FOR INDUSTRIAL AND SPRINKLER FIRE FIGHTING

EASY TO INSTALL

COMPACT DOSING SYSTEM WITH NO NEED FOR PRESSURE TANK OR ADDITIONAL ENERGY SUPPLY

Straightforward installation and commissioning with factory calibrated units. Suitable for a wide viscosity range and easy to retrofit in existing system, simply connect to a refillable atmospheric tank.

EASY TO OPERATE

RELIABLE MECHANICAL PROPORTIONER

Instantly activated as soon as water flow starts with constant and accurate proportioning within approved tolerances. No pressure balancing is required.

EASY TO TEST

COST EFFECTIVE AND LOWER ENVIRONMENTAL IMPACT

Test the dosing rate with the optional Dosing/Return valve (DRV) and two independent flow meters. No release of foam to the environment as the concentrate is pumped back to the tank, providing significant cost savings. In addition, no dispersed foam to clean up and dispose of.

FIREMIKS AB | info@firemiks.com | +46-8-551 196 10

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A WIDE RANGE OF FLOW SIZES AND PROPORTIONING OPTIONS

FIREMIKS OFFERS A WIDE RANGE OF MODELS IN DIFFERENT FLOW SIZES

Our smallest model can handle up to 180 liters per minute (lpm), while our largest model has a capacity of max 10,000 lpm.

We also offer models with max flow capacities of 450, 600, 800, 1000, 1200, 1800, 2400, 3200, 4500, 6000, and 8000 lpm. Special flow sizes can be made on request, also water motors made in Ni-Al Bronze.

PARALLEL INSTALLATIONS FOR LARGER FLOWS

To achieve even larger flows, up to 20,000 lpm, we offer FIREMIKS units installed in parallel, either on a base skid or mounted above each other as a "double-decker". Our three standard models are: 12,000 lpm, 16,000 lpm and 20,000 lpm.

SUITABLE FOR A WIDE RANGE OF VISCOSITIES INCL. THE NEW FLUOR-FREE (SFFF) CONCENTRATES.

FIREMIKS is uniquely positioned by being able to offer two types of pumps, both suitable for the new SFFF - concentrates.

Piston pump models for viscosity from 1 cP (including wetting agents) up to around 6000 - 7000 cP and Gear pump models up to around 8000 cP*.

Piston pump models excel in systems with low start-up flows relative to their maximum flow rate, making them ideal for applications like sprinkler systems.

Gear pump models are highly effective for handling very high-viscosity fluids and are also particularly efficient in applications operating at the higher end of the maximum flow rate, such as full flow systems and large fire monitors.

**Viscosity measured at 30 rpm using a Brookfield viscometer with spindle #4.*

A WIDE RANGE OF PROPORTIONING OPTIONS

For fixed proportioning, we offer as standard dosing rates of 3% or 1%, with custom options available upon request, for example: 0.1%, 0.3%, 0.5%, 2%, and 6%.

Piston pump odels with selectable proportioning are available with settings of 0.3% -0.6% - 1%, or 1% -2% - 3%, with some models offering 0.5% - 1% - 3%. Selecting the admixture percentage is easy with the help of shut-off valves.

SELECTED LINE FM-APPROVED

FIREMIKS has achieved FM approval for 18 models in seven flow sizes in accordance with FM Standard 5130 (May 2021) for Variable Viscosity Pump Proportioners with a 3% dosing rate. The approval applies to units equipped with water motors manufactured in Hard-Anodized Aluminum and Ni-Al Bronze.

Max viscosity by flow size (shear rate 5 l/s) are as follows:

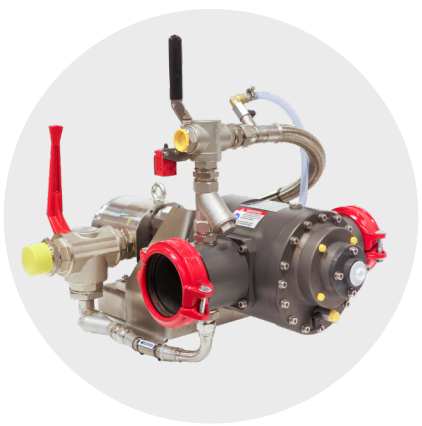
– 450 and 800 lpm: up to 3934 cP

– 1800, 2400, and 4000 lpm: up to 6422 cP

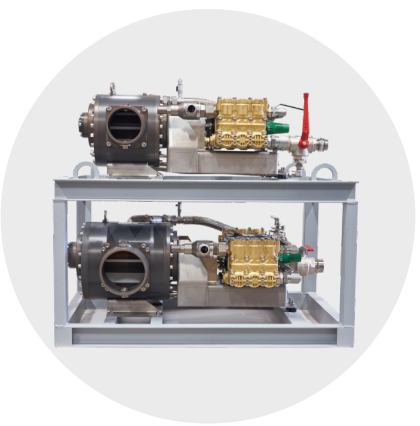
– 6000 and 8000 lpm: up to 7288 cP

THIRD-PARTY VERIFICATION BY DNV

Upon request, we can provide our units with DNV third-party verification of our Factory Acceptance Test (FAT) in compliance with applicable sections of suitable DNV-standard, or NFPA 11, FM 5130,and EN 13565-1. Additionally, we offer an optional Complete dosing rate testing system that adheres to these standards.









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