FIREMIKS

www.firemiks.com

WATER DRIVEN VOLUMETRIC PUMP PROPORTIONERS

FOR FIRE TRUCKS AND FOAM CARTS

EASY TO INSTALL

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

No separate mechanical or hydraulic PTO, nor electricity is needed, so there is no impact on the vehicle's power 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. No contamination of main water pump as with A-T-P systems.

EASY TO OPERATE

POWERFUL, HANDY AND FLEXIBLE

FIREMIKS is activated directly by the water flow and ensures constant and precise dosing over a wide flow and pressure range. Simply connected to a foam container – no calibration or pressure balancing required. It can also supply multiple nozzles simultaneously when used as a central dosing unit.

EASY TO TEST

COST-EFFECTIVE TRAINING AND TESTING.

Easy to learn to use with its straightforward operation without complicated pressure calculations. The optional Dosing/Return Valve (DRV) also allows for easy verification of the dosage. The concentrate is recirculated back to the tank and no foam is released into the environment, ensuring the lowest possible environmental impact. This also results in significant cost savings over time as the concentrate is not consumed or needs to be collected and disposed of.

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A WIDE RANGE OF FLOW SIZES AND PROPORTIONING OPTIONS

A WIDE RANGE OF 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. The compact FIREMIKS models are easily installed in fire trucks, foam carts or skid units. For maximum flexibility, units designed for mobile use can be installed semi-fixed and easily disconnected when needed for mobile operation.

ONE FIREMIKS - SEVERAL NOZZELS

With FIREMIKS, the Emergency Services gain a versatile and easily adaptable resource for different firefighting scenarios. The system enables easy and quick adjustments of hose length and diameter and number of active nozzles, while ensuring precise and even mixing over a wide pressure and flow range.

Several nozzles can be used independently of each other. Rapid opening/closing of nozzles - pulsating flow - does not affect the mixing, which also remains stable, regardless of hose length or height difference. FIREMIKS also has a significantly lower pressure drop compared to venturi/inductor systems, which gives a longer throw. The mixing remains reliable even at low inlet pressures, for example 3-4 bar from a fire hydrant.

Compatible with all nozzle types - including variable flow spray nozzles. and low and medium expansion pipes. FIREMIKS mobile models are equipped with a filter on the water motor inlet for added protection.

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 models with selectable proportioning are available with settings of 0.3%, 0.6% and 1%, or 1%, 2%, and 3%, with some models offering 0.5%, 1%, and 3%. Selecting the admixture percentage is easy with the help of shut-off valves and can be done without interrupting the water flow or firefighting activities.

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 5000-6000 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 for wide-flow range use with several nozzles.

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.*









FIREMIKS POWERFUL PROPORTIONING

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