

WATER DRIVEN VOLUMETRIC PUMP PROPORTIONERS

FOR MARINE AND OFFSHORE FIREFIGHTING

EASY TO INSTALL

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

Simple installation and commissioning with factory calibrated units. 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 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.

A WIDE RANGE OF FLOW SIZES AND PROPORTIONING OPTIONS

FIREMIKS OFFERS A WIDE RANGE OF MODELS WITH DIFFERENT FLOW SIZES

Our smallest model can handle up to 150 liters per minute (lpm), while our largest model has a capacity of 10,000 lpm.

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

PARALLEL INSTALLATIONS FOR LARGER FLOWS

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

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 NFPA 11, FM 5130, and EN 13565-1. Additionally, we offer an optional Complete dosing rate testing system that adheres to these standards.

SELECTED LINE FM-APPROVED

FIREMIKS has achieved FM approval (Standard 5130 - May 2021) for three flow sizes: 1800, 2400, and 4000 LPM with a 3% dosing rate. This certification applies to units equipped with water motors in either Hard-Anodized Aluminum or Ni-Al Bronze. FM recognizes these units as Variable Viscosity Pump Proportioners.

A WIDE RANGE OF PROPORTIONING OPTIONS

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

Selectable proportioning models are available with settings of 0.3%, 0.6%, 1%, or 1%, 2%, and 3%, with some models offering 0.5%, 1%, and 3%.

SUITABLE FOR THE NEW MORE VISCOUS FLUOR-FREE (SFFF) CONCENTRATES

FIREMIKS is uniquely positioned by being able to offer two types of pumps:

Piston pump models for viscosity from 1 cP (including wetting agents) up to around 4500-5000 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.*

