FIREMIKS

www.firemiks.com

# FM-APPROVED WATER DRIVEN VOLUMETRIC PUMP PROPORTIONERS

## FOR FIREFIGHTING

### 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 APPROVED TOWARDS THE RIGOROUS FM 5130 STANDARD**

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

FIREMIKS

www.firemiks.com

# FM-APPROVED LINE OF FIREMIKS

## FIREMIKS OFFERS 18 FM-APPROVED MODELS IN SEVEN FLOW SIZES

The following models are FM-approved towards standard FM 5130 (May 2021) Approval identification: PR461525 and PR470904

| Size (lpm) | ALU | BRZ | ALU-SS | BRZ-SS | Watermotor Connection |
|---|---|---|---|---|---|
| 450 | 450-3-PP-F-FA-ALU | 450-3-PP-F-FA-BRZ | | | 2" DN 50 |
| 800 | 800-3-PP-F-FA-ALU | 800-3-PP-F-FA-BRZ | 800-3-PP-F-FA-ALU-SS | 800-3-PP-F-FA-BRZ-SS | 2,5" DN 65 |
| 1800 | 1800-3-PP-F-FA-ALU | 1800-3-PP-F-FA-BRZ | 1800-3-PP-F-FA-ALU-SS | 1800-3-PP-F-FA-BRZ-SS | 4" DN 100 |
| 2400 | 2400-3-PP-F-FA-ALU | 2400-3-PP-F-FA-BRZ | | | 4" DN 100 |
| 4000 | 4000-3-PP-F-FA-ALU | 4000-3-PP-F-FA-BRZ | | | 6" DN 150 |
| 6000 | 6000-3-PP-F-FA-ALU | 6000-3-PP-F-FA-BRZ | | | 8" DN 200 |
| 8000 | 8000-3-PP-F-FA-ALU | 8000-3-PP-F-FA-BRZ | | | 8" DN 200 |

ALU: Hard-anodized and PTFE-coated aluminum water motor

BRZ: Nickel-aluminum bronze water motor, suitable for marine/offshore use.

SS: with option SS 316 L Pump head

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

FIREMIKS water-driven volumetric pump proportioners are recognized by FM as **Variable Viscosity Pump Proportioners**. Our FM-approved models ensure accurate dosing and can handle concentrates ranging from 1 cP (Newtonian) up to 7288 cP (non-Newtonian). This makes them ideal for fluorine-free concentrates (SFFF) with viscosities below or in alignment with this shear rate curve.

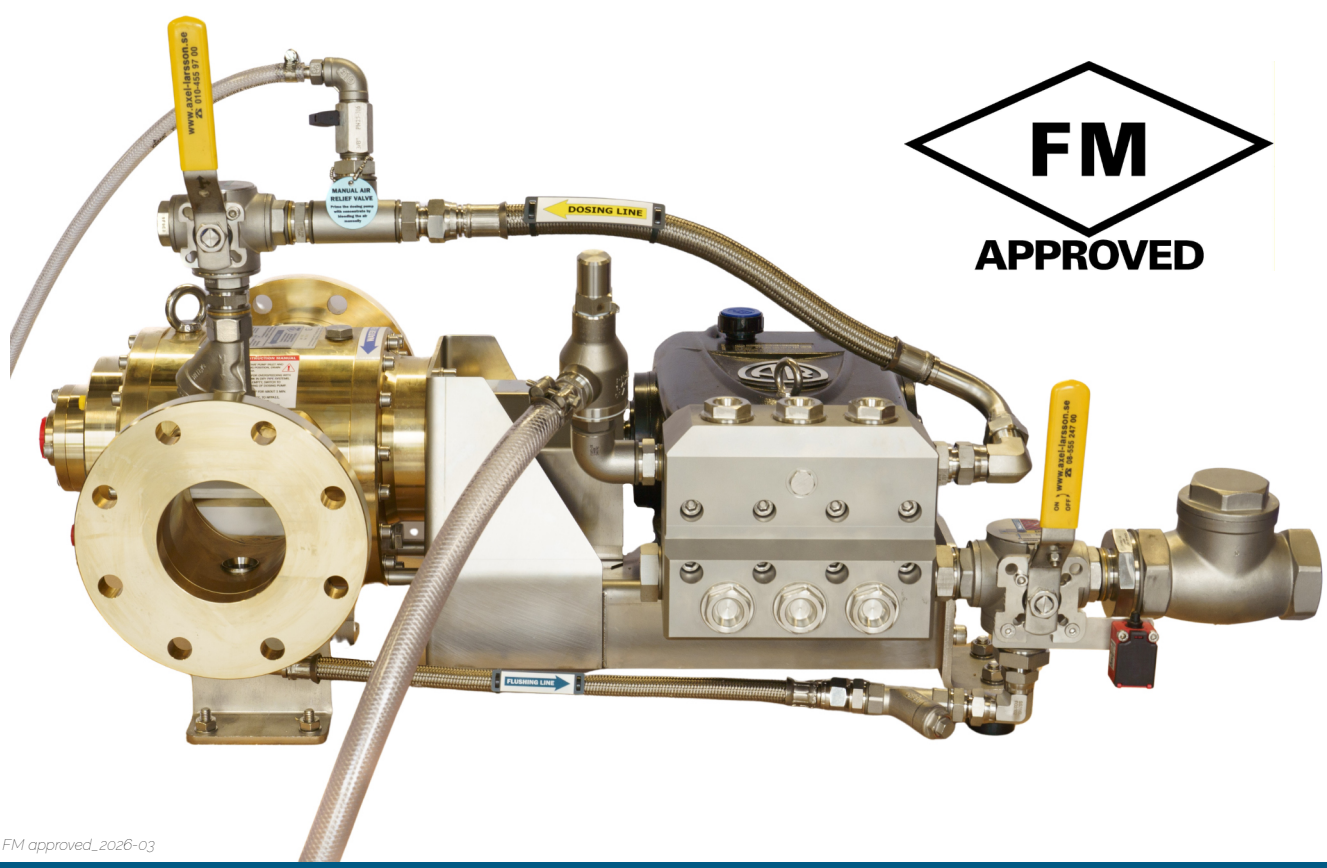
## PARALLEL INSTALLATIONS FOR LARGER FLOWS

To achieve higher flows, such as 12000 lpm or 16 000 lpm, we offer two 6000-3-PP-F-FA units or two 8000-3-PP-FA units installed in parallel, either on a base skid or as "double-decker" configurations.

*FIREMIKS FM-approved shear rate curve for concentrates:*

| Shear rate (1/s) | Viscosity (cP) | | |
|---|---|---|---|
| | 450 & 800 | 1800, 2400 & 4000 | 6000 & 8000 |
| 5 | 3934 | 6422 | 7288 |
| 10 | 2141 | 3545 | 3942 |
| 20 | 1157 | 1945 | 2110 |
| 50 | 529 | 882 | 959 |
| 100 | 302 | 497 | 533 |
| 600 | 80 | 128 | 132 |

*For technical details consult the Data sheets for each FM-approved model.*
*For information on our FM approval, go to www.approvalguide.com*






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