

The two main advantages of water motor driven pump systems compared with bladder tank systems.

1) FIREMIKS ensures an uninterrupted foam supply when water and concentrate are available. Adding more concentrate is as simple as connecting another container/drum.

- *In contrast, Bladder tank systems are limited in time and experience downtime when the bladder needs refilling.*

2) As a *Variable viscosity pump proportioner* FIREMIKS Piston pump models handles concentrates from 1 cP (like wetting agents) up to around 6000-7000 cP without the need of calibration.

- *In contrast, Bladder tank system is often designed for one specific concentrate viscosity and needs to be recalibrated and balanced to fit a new concentrate with another viscosity, adding crucial downtime for this replacement/recalibration.*

The two main advantages with FIREMIKS units

1) FIREMIKS Water motor design: Unique in-house designed volumetric motor with eight overlapping vanes. Provides stable, wide volumetric function and dosing rate within approved tolerances. Results in lower noise and less vibration, ensuring smooth rotation. Absence of elastomer seals offers more predictable friction and reduces reliance on seals that may wear over time.

User benefit: Increased mechanical reliability of system, contributing to confidence of accurate function.

2) FIREMIKS Production method: The water motor is designed as a modular system with fully machined components made from bars, instead of castings. Allows for tailor-made solutions based on material requirements, flow sizes, special dosing rates, and installation space limitations. Material is less prone to porosity and related corrosion issues.

User benefit ensures long-term customer satisfaction by effectively meeting specific dosing needs.