

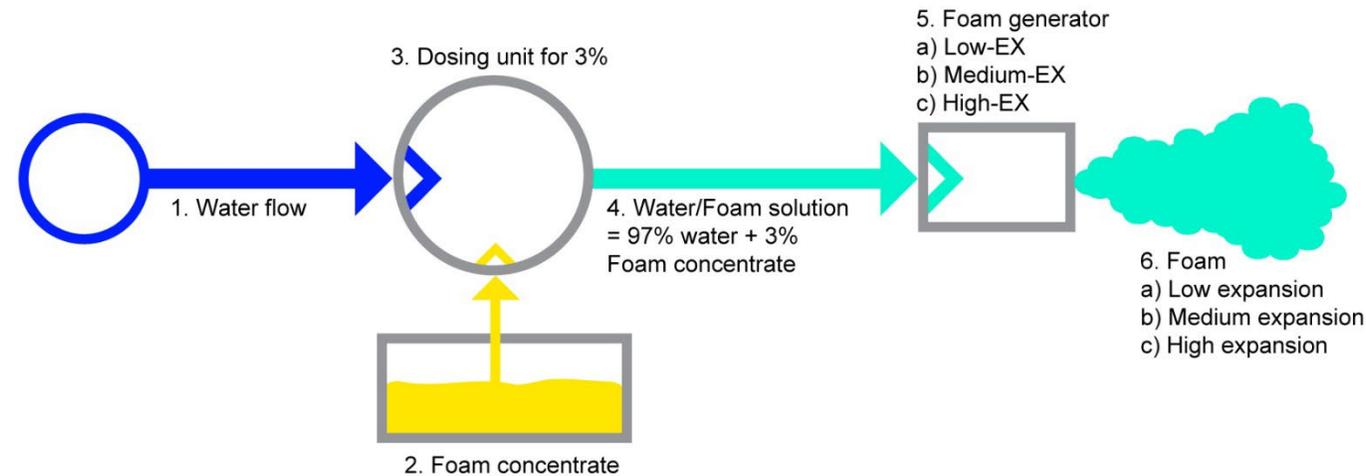


1. INTRODUCTION

WATER DRIVEN PUMP PROPORTIONERS FOR FIRE FIGHTING

www.firemiks.com

BASIC ELEMENTS IN PRODUCING FOAM



1. **Water flow.**
2. **Foam concentrate** (e.g. 3%).
3. **Dosing unit** – FIREMIKS - to inject the Foam concentrate into the Water creating:
4. **Water/Foam solution.**
5. **Foam generator**, to add air into the Water/Foam solution to produce:
6. **Finished Foam**, Low-EX, Medium-EX or High-EX.

SIMPLE AND RELIABLE SYSTEM

THE BASIC IDEA OF WATER DRIVEN PUMP PROPORTIONER

- A reliable, simple and self-regulating mechanical system driven by the existing water flow - no other energy source required.
- Accurate proportioning is made automatic, the FIREMIKS system adjust itself for changes in flow and pressure, without any calibration needed.

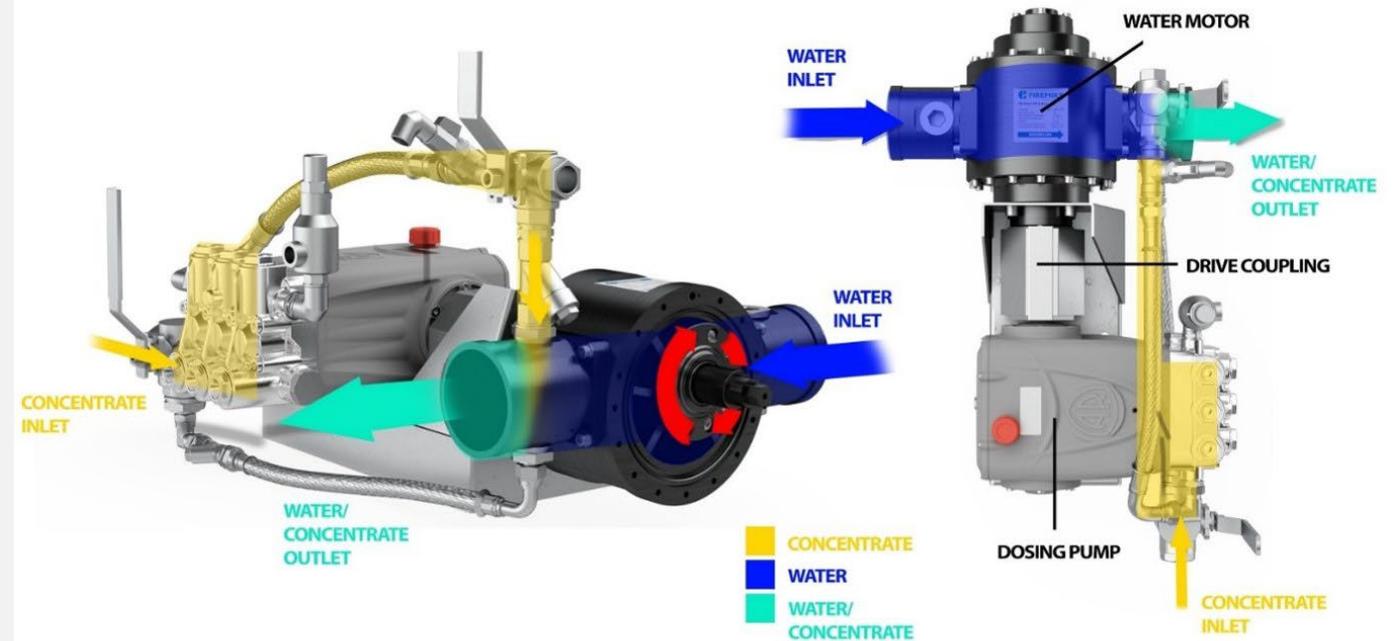


Combine your concentrate with the powerful water driven pump proportioner FIREMIKS. It permits uninterrupted application time provided that additive and water are supplied.

WORKING PRINCIPLE

FLOW DRIVEN

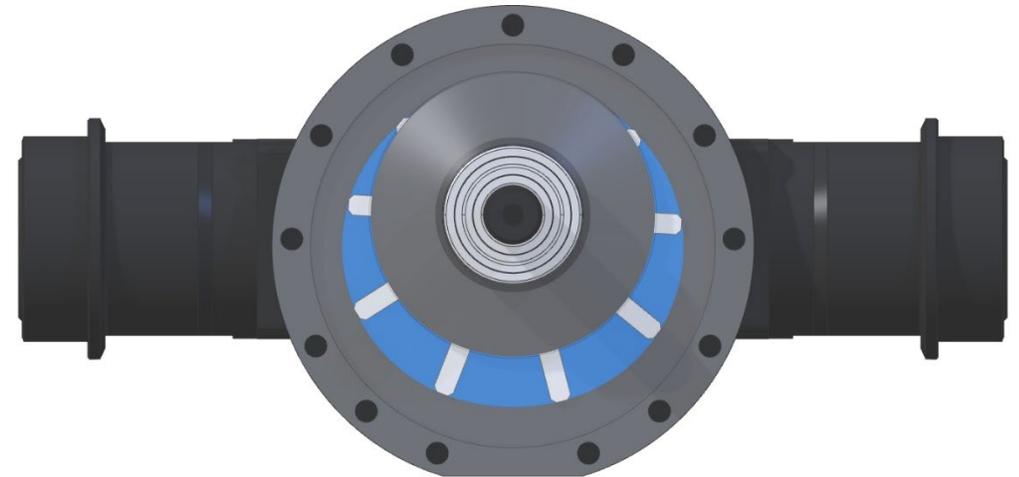
- The water flow goes through the FIREMIKS positive displacement water motor. This generates an axial rotation, transferred to the dosing pump over the direct drive coupling.
- Since the water motor functions both as a drive to the dosing pump and as a volumetric device, the system becomes by that flow proportional; dosing remains correct within approved flow range.



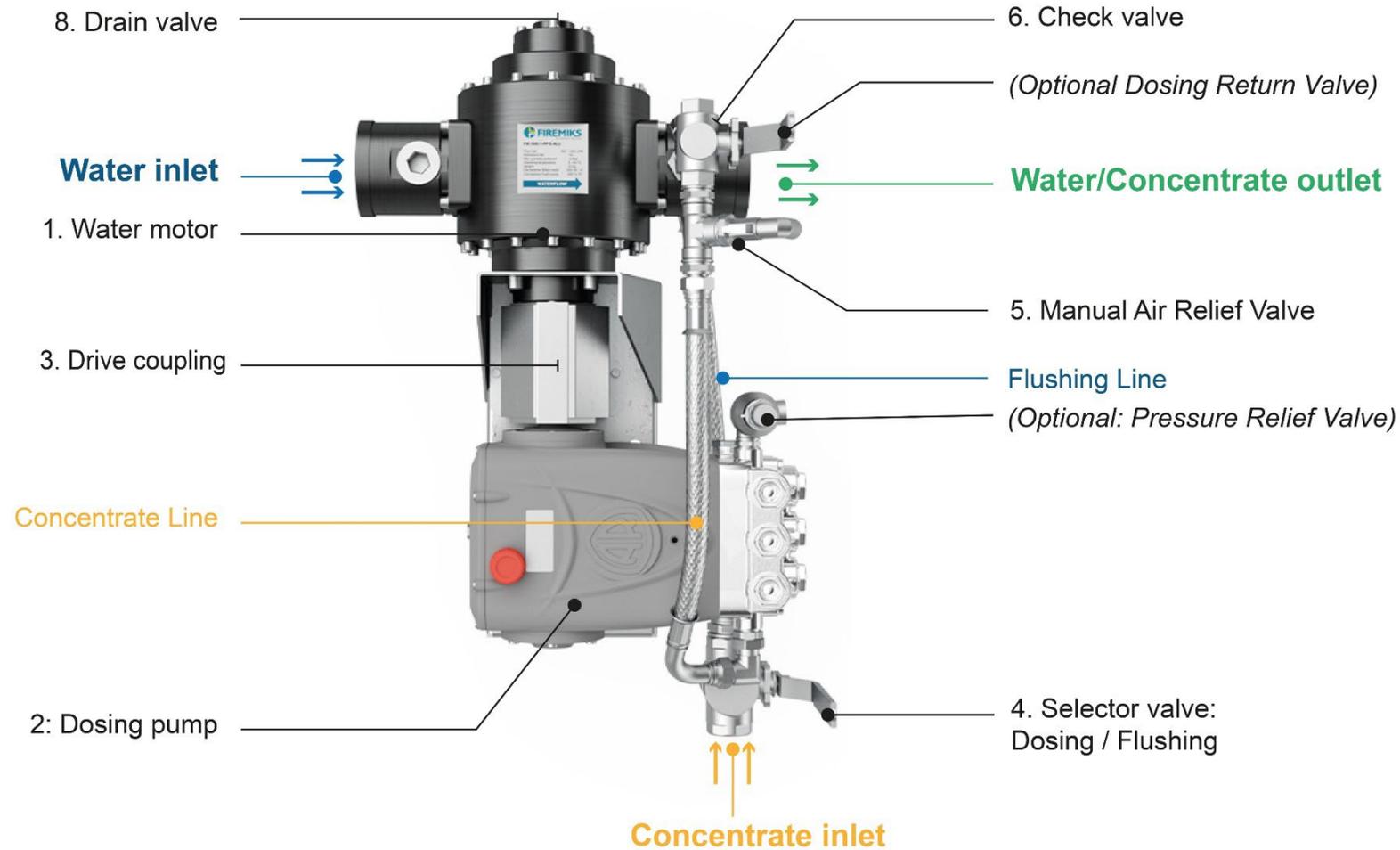
WORKING PRINCIPLE

UNIQUE WATER MOTOR

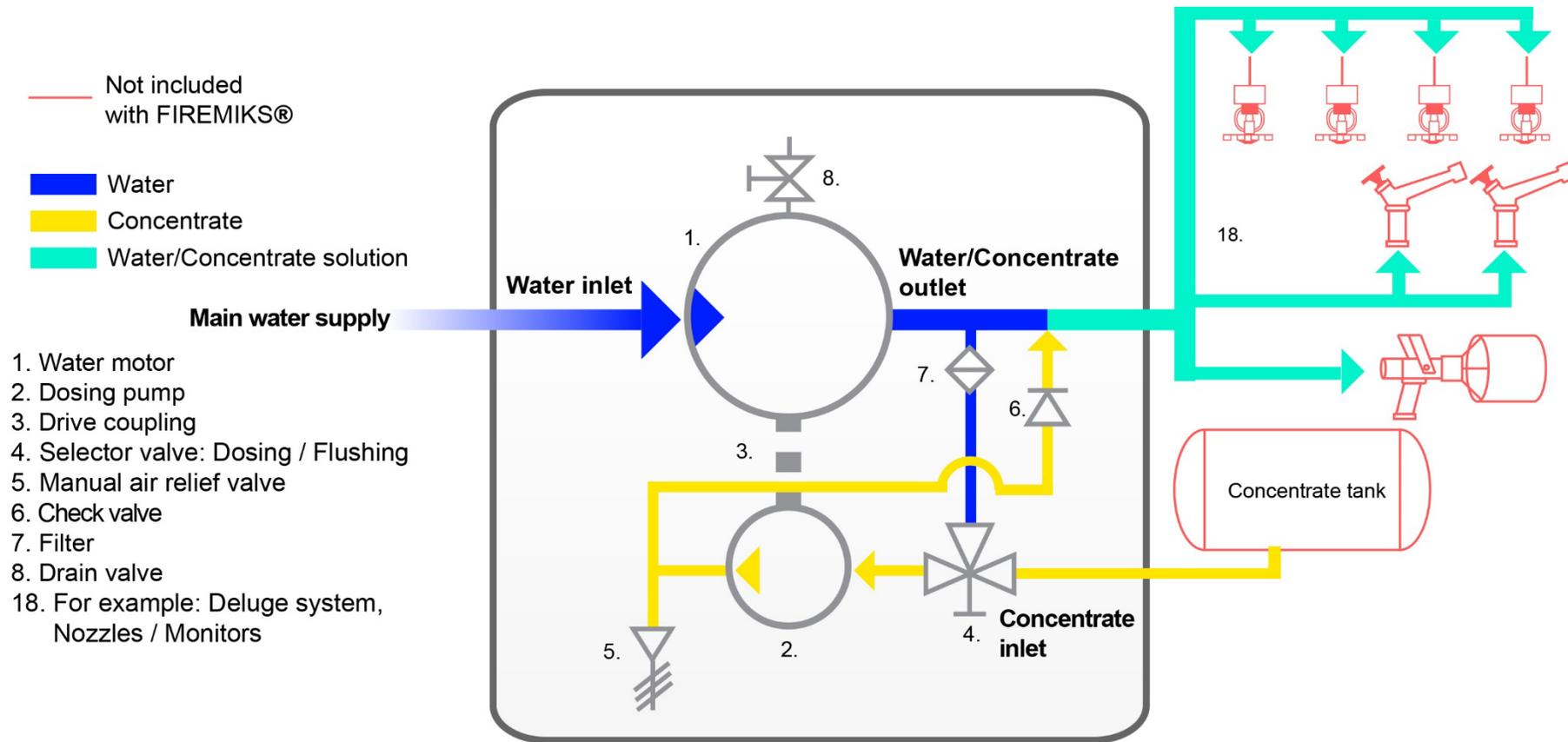
- Unique in-house designed volumetric multi-vane water motor in many sizes. Multiple overlapping vanes results in spreading of loads and a wide volumetric function, without using moving elastomer sealing or spring-loaded vanes.
- The robust multi-vane motor gives low noise, smooth start and rotation.
- Modular system and machined parts allow for tailor-made solutions to meet specific customer dosing challenges.



MAIN PARTS OVERVIEW



PRINCIPLE FLOW CHART



N.B. Reverse water flow direction is optional.

Thank you for your attention!
For more info, visit

www.firemiks.com

