

<u>Important parameters when choosing between FIREMIKS Gear pump type and Piston pump type:</u>	<u>Typical situations where Gear pump type normally is the best choice:</u>	<u>Typical situations where Piston pump type normally is the best choice:</u>
VISCOSITY	When you work with higher viscosity concentrates, from 50 cSt and higher.	When you work with lower viscosity concentrates, from 20 cSt and lower.
FLOW RANGE	When a flow range of 1:5 is sufficient, (for example 360 - 1.800 lpm). Gear pump type is especially well suited when the unit is intended to be used above 33% of the max flow specified, for example at open deluge installations, or when the flow is divided in 1, 2 or 3 monitors/nozzles.	When a flow range of 1:10 is needed, (for example 180 - 1.800 lpm). Piston pump type is especially well suited at sprinkler installations.
MAX PRESSURE	When the working pressure in system is max 12 bar.	When the working pressure in system is max 16 bar.
PRESSURE/FLOW CURVE	When you work with systems that has a pump/flow curve as follows; low pressure = low flow, high pressure = high flow.	When you work with systems that has a pump/flow curve as follows; high pressure = low flow, low pressure = high flow. (For ex. Sprinkler systems)
SUCTION/GRAVITY FEED	When one wants a system that is also capable of sucking concentrate from a tank that is placed <i>below</i> the foam pump inlet. (Automatic air relief valve needed). Note! Gravity feed is always preferable if possible.	When a system with gravity feed is preferable, i.e. the concentrate tank is placed <i>above</i> the foam pump inlet.
<u>Other general advantages for each pump type:</u>	1. Gear pump is a rotor pump therefor the vibrations will be minimized as the pump rotates together with the water motor.	1. Piston pump starts earlier to act volumetric.
	2. Gear pump needs less maintenance, no need of oil lubrication.	2. Piston pump has a very flat pump curve and is even more accurate.
	3. Gear pump has less weight and are more compact at the larger sizes.	

The above is a list of general factors to consider, some of them could be contradicting to each other. To enable us to give a *more specific proposal* for each installation, please fill in our "A Guide to choose FIREMIKS" and send to us for our evaluation.