

M300 Filtration / Polisher Advanced Functions

Filtration Flow – Meter Functions

Earthsafe filter / polishing units utilize Viking positive displacement pump. A characteristic of these pumps is that, unlike centrifugal pumps, the pump flow rate is very accurate with a constant speed motor. The metering accuracy is enhanced by inputs for pressure and temperature which the PLC uses to correct flow calculations. Also the high pressure input indicates flow through the pump relief valve which is excluded from calculations.

The accuracy of the fuel metering is approximately $\pm 2\%$. This is not accurate enough for custody transfer purposes but is very useful in a number of applications.

In Filtration / Polishing systems, the flow capability allows programming to set a filter cycle based on the total volume filtered matching a tank volume.



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