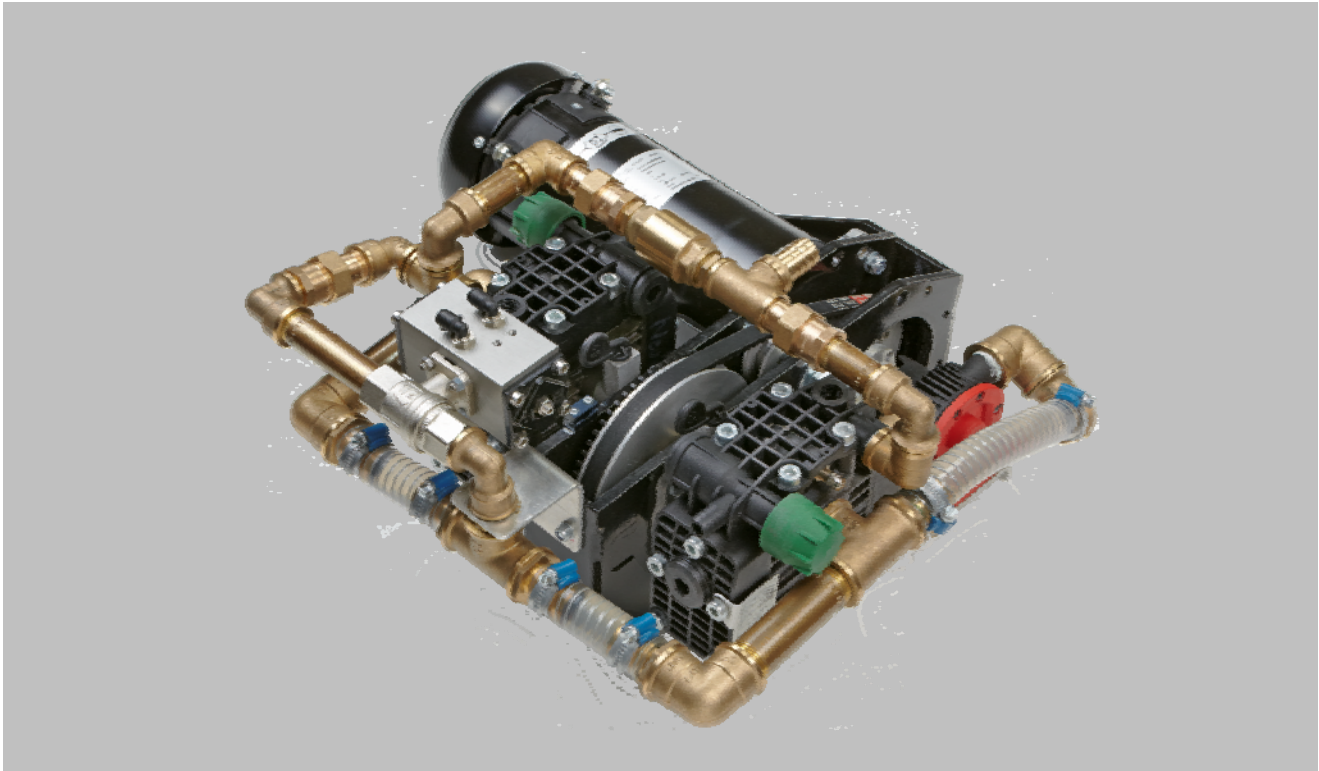


DIGIMATIC

Direct injection foam proportioning system



Description

The DIGIMATIC is an electrical driven, electronic controlled direct injection foam proportioning system. This system is specially designed for use of wetting agent due to the very small foam output. Precision and reliability together with high performance and easiest operation are the outstanding properties of this proportioning system.

Benefits

Universal deployable

- can be used for all kinds of foam concentrate
- stepless proportioning rate from 0,1% to 6%
- smallest possible flow rates from 0,1 lpm (0,03 US-gpm) to 22 lpm (5,81 USgpm)
- option: external foam suction
- option: foam tank filling

Easiest operation

- LCS - operation (Logic Control System) similar to the pump operation
- pre-defined proportioning rate per foam concentrate tank
- display of flows, operation time and safety information

Easy to maintain

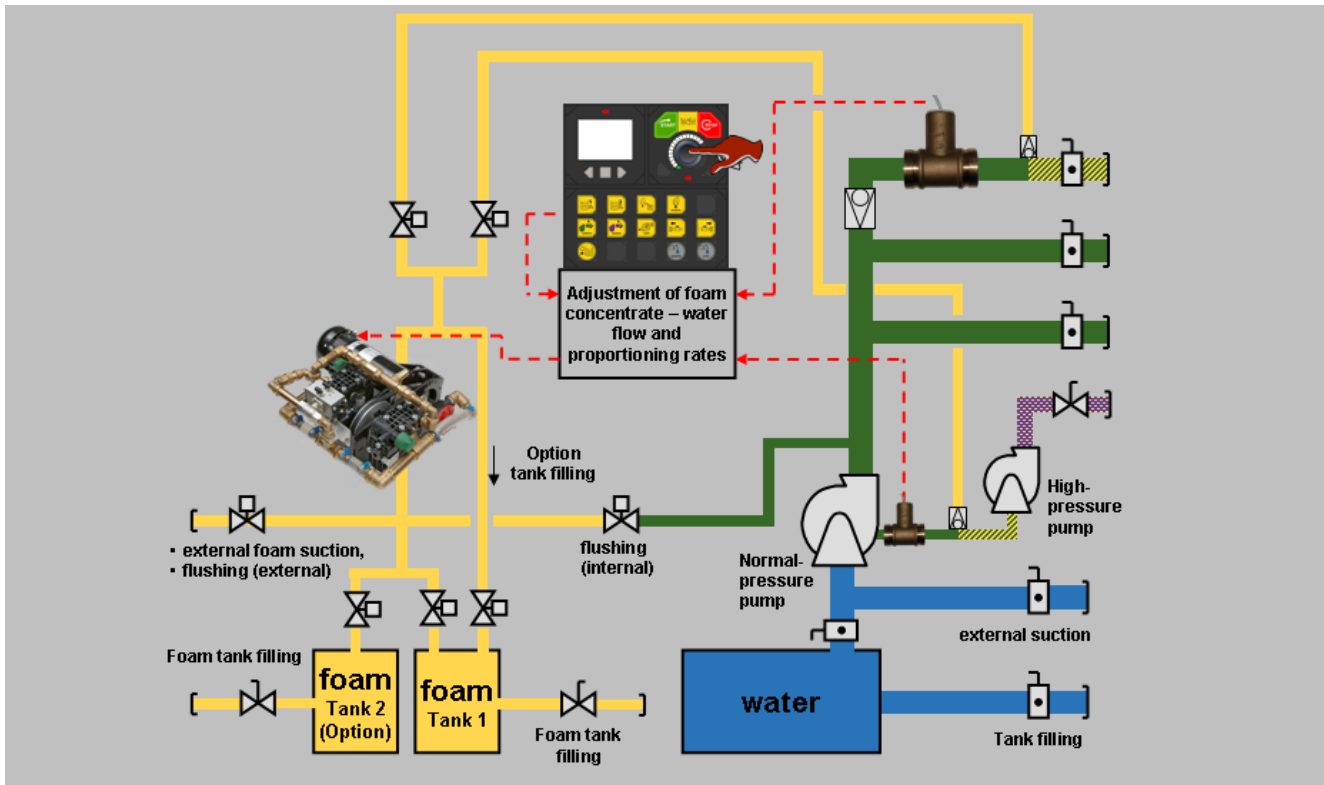
- high operation safety due to robust pump

Injection of the foam concentrate directly on the pressure outlet after the water pump

External foam suction possible

Possibility to fill the foam concentrate tank

- no additional foam filling pump necessary.



Flow diagram of DIGIMATIC: either normal pressure version for 1-2 NP outlets, or injection in the connection line of NP and HP, also possible version with NP and HP

Technical Data

Design	electric driven and electronically controlled direct injection foam proportioning system
FC-pump	2 membrane pumps with inlet booster pump
Measurement range water	50 - 2.400 lpm (13 - 635 USgpm)
FC-supply	0,1 - 22 lpm (0,03 - 5,81 USgpm) at 10 bar (150 psi) (at a viscosity of 20cSt / 20°C)
Proportioning accuracy	up to 1% proportioning rate: +/- 20%; 1 to 3% proportioning rate: 0 to +30%
Proportioning rates	0,1 - 6% stepless (in consideration of the discharge flow)
Flow metering	with paddle wheel on the water side
Injection points	up to 2 injection points
Dosing	adjustment of the foam pump speed to water flow and foam proportioning rate
Materials	all parts that are in contact with foam concentrate are made non-corrosive
Usability	for all kinds of foam concentrate

NP: Normal pressure; HP: High pressure; FC: foam concentrate

Contact

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