

# DIGIMATIC42

Direct injection foam proportioning system



## Description

The DIGIMATIC42 is an electrical driven, electronically 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 foam flow rates from 0.1 lpm (0.03 USgpm)
- bigger foam flow rates up to 42 lpm (11 USgpm) for operation of a turret or more discharges simultaneously (depending on the piping arrangement)

### Easiest operation

- LCS 2.0 - 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 on the pressure outlet after the water pump

- foam-free water pump

### Very good external foam suction performance

- due to inlet booster pump

### Possibility to fill the foam concentrate tank

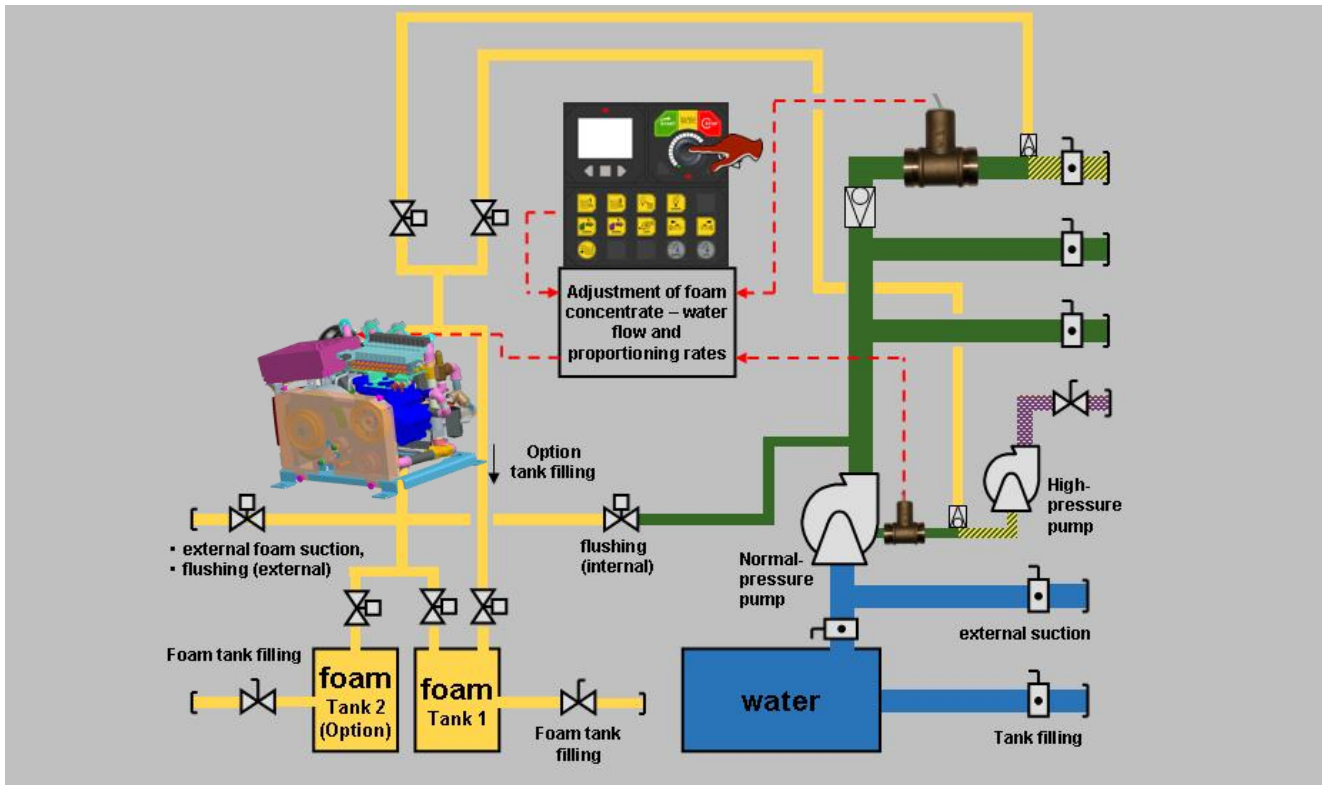
- no additional foam filling pump necessary

### Options

- up to 2 foam tanks
- foam tank filling
- up to three injection points (alternatively)
- version for CAFS operation
- electric emergency operation

# DIGIMATIC42

## Direct injection foam proportioning system



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

<b>Design</b>	electric driven and electronically controlled direct injection foam proportioning system
<b>FC-pump</b>	membrane pump with inlet booster pump
<b>Measurement range water</b>	50 - 2,400 lpm (13 - 635 USgpm)
<b>FC-supply</b>	0.1 - 42 lpm (0.03 - 11 USgpm) at 10 bar (150 psi) (at a viscosity of 20cSt / 20°C)
<b>Proportioning accuracy</b>	up to 1% proportioning rate: 0 to +40% ; 1 to 3% proportioning rate: 0 to +30%
<b>Proportioning rates</b>	0.1 - 6% stepless (in consideration of the discharge flow)
<b>Flow metering</b>	with paddle wheel on the water side
<b>Injection points</b>	up to 2 injection points (optional 3rd injection point: only possible with foam tank filling for maximum one foam concentrate tank)
<b>Dosing</b>	adjustment of the foam pump speed to water flow and foam proportioning rate
<b>Usability</b>	for foam concentrate up to a viscosity of 150 cSt (higher viscose foam concentrates on request)

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

### Contact

Rosenbauer International AG  
Paschinger Straße 90  
4060 Leonding, Austria  
Tel.: +43 732 6794-0  
Fax: +43 732 6794-91

[www.rosenbauer.com](http://www.rosenbauer.com)

[www.facebook.com/rosenbauergroup](https://www.facebook.com/rosenbauergroup)

Text and illustrations are not binding. The illustrations may show optional extras only available at extra charge. Rosenbauer retains the right to alter specifications and dimensions given herein without prior notice.

PC3A4  
2015-07\_RJun