

FOAMATIC E

Around-the-pump foam proportioning system



Description

The FOAMATIC E is an automatic around-the-pump foam proportioning system. It supplies large amounts of foam concentrate and is based on an electronic flow measurement. The system can be integrated in the N100, as well as in the R600 pump.

Benefits

Flexible application

- can be integrated into N100 or R600 pump

Easy operation

- operation with the Rosenbauer LCS (Logic Control System)

Fully automatic system

- amount of foam concentrate adjusts automatically to the water flow - constant proportioning rate

Maintenance-free

- wear-free system

High flow foam performance

- due to around-the-pump foam proportioning system, foam on all outlets at full flow

Excellent external foam suction performance

- No foam pump required

Minimum pressure loss

Different proportioning rates can be chosen

- 3 different proportioning rates available during operation—instant change between the rates
- option: stepless adjustment of the proportioning rate from 1 to 10 %

Optional: Performance checks and data collection with the help of service4fire

- Electronic monitoring of the actual and predefined foam proportioning rate
- Electronic calculation and forwarding of the foam consumption
- Control of FOAMATIC E including automated analyses
- The data is available via the online-service portal and a smartphone app

FOAMATIC E

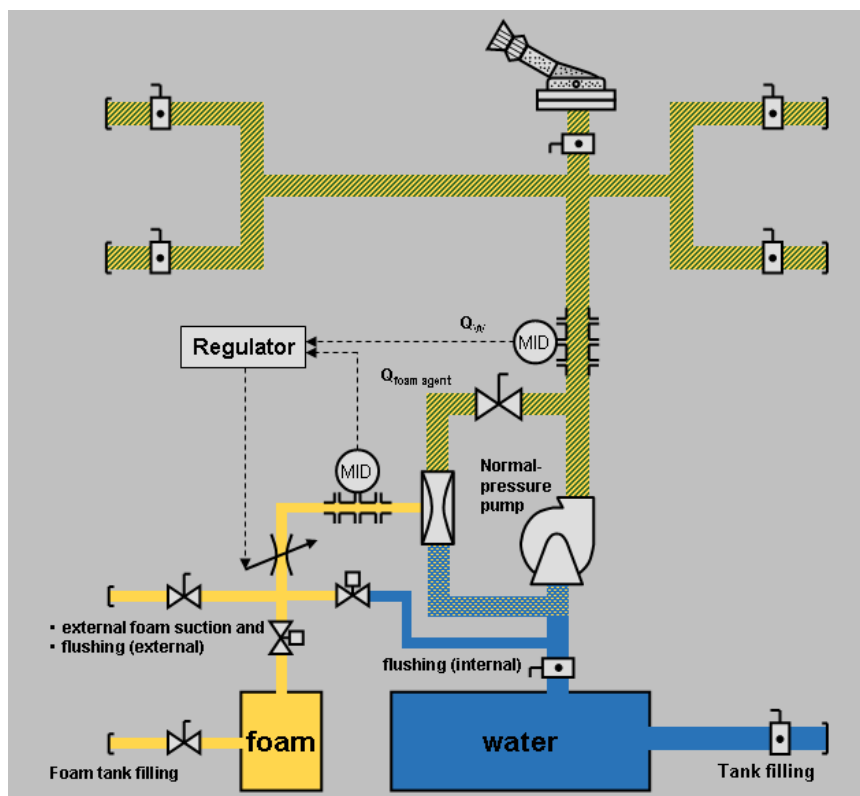
Around-the-pump foam proportioning system



N100 engine-pump module for Panther with FOAMATIC E



R600 pump with FOAMATIC E



Scheme of a R600 or N100 pump with around-the-pump foam proportioning system FOAMATIC E

Technical Data

| | |
|-------------------------------|--|
| Design | automatic around-the-pump foam proportioning system |
| Measuring range | 200 - 10.000 lpm (53 - 2.640 gpm) (depends on the used pump) |
| FC-amount | 15 - 600 lpm (4 - 158 gpm) (at a viscosity of 20cSt / 20°C) |
| Proportioning accuracy | 0% to +30% (relative); or max. +1% point (absolute) (in the working range) |
| Proportioning rates | up to 3 rates to choose (choice of: 1, 3, 6, 8%), Option: istepless adjustment |
| Flow measuring | magnetic inductive flow meter on the water and the foam side |
| Control | by electronics |
| Dosing | by two different dosing ball valves - electrical operated with venturi pipe |
| Materials | flow meters and dosing units made out of corrosion resistant materials |
| FC-suction height | 2 m (6,5 ft) (2" suction line for R600, 2 1/2" for N100) |
| Usability | for all available foam concentrates |

NP: Normal pressure; MID: magnetic inductive flow meter; FC: foam concentrate

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