

DIGIFOAM DF

AROUND-THE-PUMP FOAM PROPORTIONING



OR



KEY FEATURES

- ⊕ Automatic foam dosing system in the range of 0.1 % to 8 %
- ⊕ Precision control with steps of 0.1 %
- ⊕ Wide range of eductor capacity, up to 500 L/min
- ⊕ Compatible with any type of foam concent.
- ⊕ Manual or automatic operation mode
- ⊕ LCD 7" Display or PCU HMI
- ⊕ Magnetic-inductive flow-meter for maximum life and less maintenance
- ⊕ Easy operation

Digifoam is a digitally controlled, fully automatic Around-the-Pump foam proportioning system designed to maintain a constant and accurate foam-water ratio, regardless of water flow or pressure fluctuations

Using the proven Around-the-Pump principle, Digifoam makes the foam solution available through the complete discharge system, ensuring reliable foam performance at every outlet.

The Digifoam DF system is typically operated through a large 7" LCD HMI, providing clear and intuitive control of all system functions. The display gives the operator an easy overview of key process data, including water flow, foam flow, proportioning rate, warnings and error messages.

Alternatively, the DIGIFOAM function can be integrated directly into the PCU Pump Control Unit with built-in foam management, eliminating the need for a separate HMI in certain system configurations.

Remote HMI units can be added for control from multiple locations, including the driver's cabin.



SPECIFICATIONS

POWER

Supply Voltage	20-30 V DC electronic components
Current	max. 0.1 A @ 24 V – controller without loads connected max. 1.8 A metering valve

Electrical Protection	Main controller EC1: overvoltage, transients, reverse polarity, load dump
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HMI - CONTROL PANEL

Digifoam - DF	LCD TFT 7", sunlight readable, anti-reflective glass, 10+5 soft keys
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Digifoam Lite -DFL	PCU-pump control unit with foam management system
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ENVIROMENT

IP Class (IEC529)	MMXEC1 controller: P67 HMI07: IP65 MAGFLOW: IP65 El. metering valve: IP67
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EMC	designed to EN 61000-6-2, noise immunity designed to EN 61000-6-4, radiation immunity
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Temperature Range for electronic parts	operating from -40°C to +85°C storage from -40 to +85°C
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MISCELLANEOUS

Connectors	Deutsch DTM and AMP automotive connectors
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