



TECHNICAL DATA SHEET



Section 1: Product Specification

1.1. Trade name

LithoPore® Foam Generator FG 4 II IND

1.2. Manufacturer

Luca Industries International GmbH

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The Foam Generator FG 4 II IND is a ready to use foaming system with integrated air system. No additional requirements are necessary to run this system.

The machine is working fully automatic, therefore no manual dilution of water and foaming agent is necessary and the foam can be produced continuously. The whole system is running at a low air pressure (200-700 mbar) and is producing a very strong foam bubble membrane. The system is developed by Luca Industries International GmbH for the worldwide unique advanced foaming agent brand **LithoFoam®**.

The Foam Generator FG 4 II IND is equipped also with a PLC from Siemens. This is enabling the easy adaption into existing and new concrete batching plants or ready-mix plants.

An automatic cleaning system is also part of the machine. Thus the cleaning of the system takes place at the touch of a button, avoiding troublesome manual cleaning.

The foam density can be adjusted precisely by 1 g/l.

Section 2: Advantages at a glance

Worldwide unique foam stability due to low pressure foaming system

- Very precise foam density adjustment
- Very precise foam stability adjustment
- Complete mobile system, low weight
- Very fine foam bubbles
- Low energy consumption
- Automatic cleaning system with hot water, easy maintenance
- Easy and cost effective integration in concrete batching plants / ready-mix plants possible due to Siemens PLC
- No premix of water and foaming agent necessary
- Continuous foam production



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Section 3: Technical data

Dimensions: 835 mm x 400 mm x 1500 mm
Weight: approx. 140 kg
Foam Output: 300-500 l/min

Low pressure air system

kW: 1.85
V: 400
Kg: 24

Water pump

kW: 1.5
V: 400
Kg: 13.2
r.p.m. 2800

Foaming agent pump

V: 12/24
A: 7.5
Kg: 1.2

Foam Pipe

External Diameter, average: 90 mm
External diameter, exit: 75 mm

Automatic Cleaning System

Water Pump

V: 12/24
A: 7.5
Kg: 1.2

Heating System

kW: 6.5
Maximum temperature: 60 °C

Storing / operating temperature: +5°C to +60°C

Section 4: Included accessories

water container 200l containing 4 m hose (Ø 19 mm) with connections

dimensions: 600 (length) x 600 (width) x 950 (height) mm
weight: 20 kg

power supply cable must be provided locally





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Section 5: Application

The Foam generator **FG 4 II IND** is exclusively made for the production of foams based on **LithoFoam®** foaming agents by Luca Industries International GmbH

Section 6: Optional Accessories

Tempered foaming agent dosing

For countries with lower temperatures it is recommended to acquire in addition from Luca Industries International GmbH a dosage vessel with integrated temperature control for the foaming agent as the optimum dosage temperature and foaming effect takes place at around 20 °C.

Pressure compensation for water dosing

Whenever very precise foam densities are necessary it is recommended to acquire in addition Luca Industries International GmbH a dosage vessel for water with integrated pressure compensation.

The information contained in this product specification is based on our current state of knowledge and experience. It does not free the user from making his own tests and trial applications. A legally binding assurance of certain properties cannot be inferred from this information. Any existing patent rights as well as any pertinent legal regulations must be observed by the recipient of our products under his own responsibility.