

Product : NC Aerator IN



Product Specification:

Nanocrete's NC Aerator IN is a ready to use aerating system with integrated air compressor that produces fine bubbles. No additional requirements are necessary to run this system.

The machine works fully automatic, therefore no manual dilution of water and aerating agent is necessary and the foam can be produced continuously. The whole system runs using a compact air compressor and is producing a very strong foam bubble membrane. The system is developed by Nanocrete Technologies for the worldwide unique advanced aerating agent NC Aerating Agent.

Nanocrete's NC Aerator IN is equipped also with a Siemens PLC. This is enabling the easy adaption into existing and new concrete batching plants or ready-mix concrete 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.

Product Advantages:

- Using NC Aerating Agent, it produces worldwide unique foam stability due to low pressure foaming system
- Very fine foam bubbles
 - Very precise foam density adjustment
 - Very precise foam stability adjustment
 - Compact and Complete mobile system, low weight
 - 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

Technical Data:

Dimensions: 1200 mm (L) x 1300 mm (H) x 500 mm (B)

Weight: approx. 150 kg

Foam Output: 250-500 l/min

Low pressure air system

kW: 1.85

V: 400

Kg: 48

Water pump

kW: 1.5

V: 400

Kg: 13.2

RPM: 2800

Foaming agent pump

V: 12/24 DC

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 DC

A: 7.5

Kg: 1.2

Heating System

kW: 6.5

Maximum temperature: 60 °C

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

Accessories:

Plastic water container 300l 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

Applications:

Nanocrete's NC Aerator IN is exclusively made for the production of foam based on Nanocrete's unique Aerating Agents, which in turn is used to produce Aerated Concrete Products/Elements. We recommend to use NC Aerating Agents for getting best results of foam quality and Aerated Concrete quality. We can't provide any guarantee or warranty of foam or aerated concrete quality, if the aerating system is used with any other agents or chemicals.

Advisory:

Tempered aerating agent dosing

For countries with lower temperatures it is recommended to acquire in addition from Nanocrete Technologies a dosage vessel with integrated temperature control or something similar to it for the aerating 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, a dosage vessel for water with integrated pressure compensation.

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