

GREEN LINE

Oil Mist Separator

1200
NINA



An oil mist separator with high rate of purification, excellent flexibility and outstanding operation economy

**OIL SMOKE AND OIL/
COOLANT MIST
SEPARATOR WITH
HIGH PERFORMANCE**

NINA

Nina is the new oil mist separator within the innovative GREEN LINE series. It is developed to suit all applications involving processes using coolants, oil or lubricants. Nina is suitable for machine tools with cabin volumes up to 12m³.

Advantages of NINA

- Suitable for application with high degree of solid particles
- Minimal maintenance
- Minimal filter and filter disposal costs
- Outstanding operation economy
- One machine for all applications
- Capable of handling large quantities of oil mist



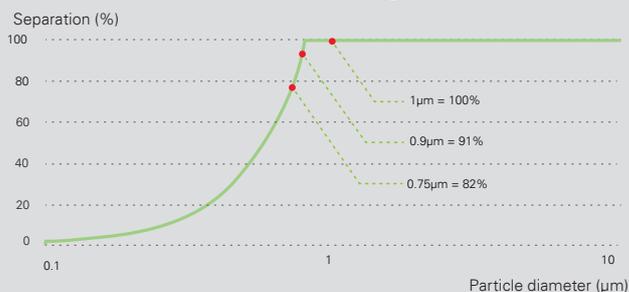
www.3nine.com

TECHNICAL DATA

Type designation Nina 1200
Application Cleaning oil smoke and oil/coolant mist
Mounting Directly on the machine, wall or pillar stand

EU-Standard

Suitable for cabin size (<12m³)
Operating condition 5-50 °C
Electric power supply ... 16 A, 380-400 V
Motor rating 1,5 kW
Rated current 3,3A
Weight 120 kg
Height 936 mm
Width 776 mm
Length 773 mm
Inlet pipe dimension Ø 200 mm
Sound level < 70 dB (A) (SS-EN ISO 3746:2010)



The diagram shows our machines' performance as a function of the particle diameter

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INTELLIGENT AND REVOLUTIONARY TECHNOLOGY

The unique patented technology, based on disc stack separation, separates 100% of particle sizes down to 1µm by using centrifugal force. The special technology of the **GREEN LINE** series reduces maintenance work to a minimum. The rotor found in the interior of all 3nine oil mist separation systems clean the air from oil mist considerably more effectively than conventionally rotating filters or cyclone separators.

High degree of purification

With the **GREEN LINE** oil mist separator from 3nine, the degree of purification is so high that almost the entire oil mist is separated and directed back into the machine tool. 3nine also uses an end filter (HEPA) that collects even the very smallest particles, so that the air leaving the oil mist separator is up to 99.97 %* free of particles. In order to facilitate the maintenance of the machine, the filter can be simply and ergonomically correctly replaced.

With Nina you will have the possibility to have full control over the oil mist separators performance and the mechanical status. It comes equipped with our advanced 3nine monitoring system, which monitors the clogging of the HEPA filter, the condition of the drive belt and also the motor. The status of the machine is then communicated through a LED RGB-strip on the front and back of the machine.

All **GREEN LINE** oil mist separators can be equipped with the 3nine patented, automatic cleaning unit (CIP). Together with the control box, you will always have an automatic cleaning cycle every time the oil mist separator shuts down.

Low operating costs

Due to the high efficiency of the 3nine disc stack separation, the greatest part of the oil and emulsion mist is continuously and directly separated. The separated fluid can be fed back into the tank of the machine tool.

Hence the costs for coolant and oils are reduced due to the minimal loss of the coolant. Filter changes and production disruptions are reduced to a minimum.

All 3nine systems are designed for continuous operation in order to ensure the greatest possible productivity.



* with HEPA filter (H13)