

GREEN LINE

Oil Mist Separator

900
LOVA



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

LOVA

Lova 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. Lova is suitable for machine tools with cabin volumes up to 9m³.

Advantages of LOVA

- 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

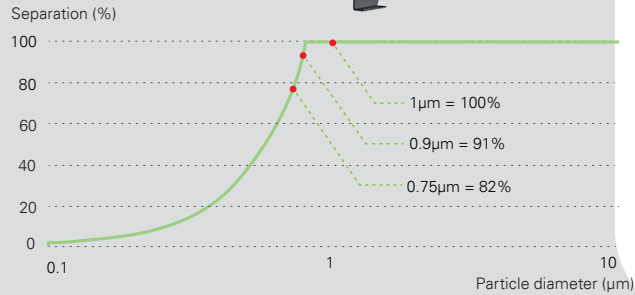


www.3nine.com

TECHNICAL DATA

Unit Lova 900
 Application Cleaning oil mist (cutting fluid/coolant)
 from the workshop environment
 Mounting Directly on top, on the side, on a wall/column
 or on a pillar stand

	EU-Standard	NA-Standard
Max cabin size	<9m ³	<318 CF
Operating condition	5-50 °C	41-122F
Power supply	3-phase 6A 380-400V	3-phase 6A 208/240V
Motor rating	1,5 kW	1.5 kW
Rated current	3,3A	2.8A (230V)-5.7A (460 V)
Weight	115 kg	253.5 lbs
Height	936 mm	36.8"
Length	776 mm	30.2"
Width	773 mm	30.5"
Inlet pipe dimension	Ø 200 mm	Ø 8"
Sound level	<70 dB (A) (SS-EN ISO 3746:2010)	<70 dB (A)



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 Lova 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)