

MIST COLLECTOR

DMG Series

Centrifugal oil mist collector

New type of oil mist collector with centrifugal + filter

Solve all kinds of oil mist collection and purification problems for you!

Applicable to Machining center / CNC lathe / milling machine / drilling and tapping machine / walking machine / grinder / cleaning machine, etc

■ Feature

Large air volume and low energy consumption

- Equipped with high efficiency fan, large air volume can be realized with low energy consumption

Small size and light weight

- We use centrifugal structure design, so the machine is small and light
- The installation space is saved and the installation is more convenient.

Combination of centrifugal and filter

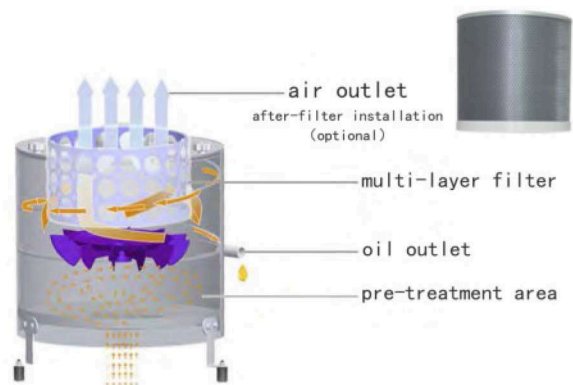
- The filter cotton further improves the filtering accuracy and efficiency of the centrifugal structure
- According to the demand, two different after-filters can be selected to achieve higher filtering effect.



■ Working principle

The air containing oil mist is sucked into the oil mist collector and filtered through the following three steps.

- First, centrifugal separation. Driven by the high-speed rotating impeller, the rotating airflow spirals upward, and the oil mist particles are thrown to the inner wall of the machine by centrifugal force to achieve separation.
- Secondly, filtered through multiple layers of filter.
- Finally, filtered again through a high-efficiency filter. Suitable high-efficiency filters are selected for different working conditions of oil mist, which can effectively purify the smog of 0.3 micron level.



■ Installation



■ Specification

TYPE		DMG-250	DMG-370	DMG-750	DMG-1100
Fan	Power	3P 220/380V 50Hz			
	Air volume(m ³ /h)	600	1000	2000	3000
	Air pressure(kPa)	0.8	0.8	0.8	1.0
	Motor (kw)	0.25	0.37	0.75	1.1
Filter	Inner-filter	Sponge			
	After-filter	Glass fiber			
	Filter object	oil mist/fume produced by emulsion and cooling oil			
	Filtration efficiency	About99.5%			
Dimensions (mm)	Depth	350	400	460	520
	Width	350	400	460	520
	Height	770	840	890	1004
	Inlet diameter (Ø)	125	150	150	200
Maximum suction temperature (°C)		50°C			
Noise (dB)		64±2	66±2	68±2	70±2
Weight (kg)		20	25	38	70
Exterior color		White			
Banned substances		Flammable or explosive or corrosive substances			

※ In order to improve product performance, specifications and parameters may be changed.

※ The noise value is measured under the condition of configuring after filter, and may be deviations according to the test environment.