

# MIST COLLECTOR

# DMS Series

## Filter type oil mist collector

**Solve the oil mist collection and purification issues of various machine tools for you!**

machining center / lathe / milling machine / drilling and tapping machine  
/ knife grinder / grinder / washing machine, etc.

### Feature

#### Large air volume, low energy consumption

- Equipped with energy-saving and high-efficiency fans, large air volume can be achieved with low energy consumption.

#### High precision and high efficiency purification

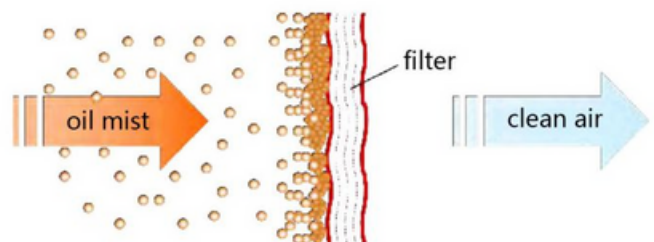
- Built-in several layers of filter cotton to ensure filtration efficiency.
- According to the working conditions, different post-mounted high-filters can be selected to ensure a better filtering effect.

#### Small size, flexible installation

- DMS adopts a horizontal structure design, which is small in size and does not take up too much space.
- The installation is flexible and diverse, it can be installed on the top or beside the machine tool.

### Working principle

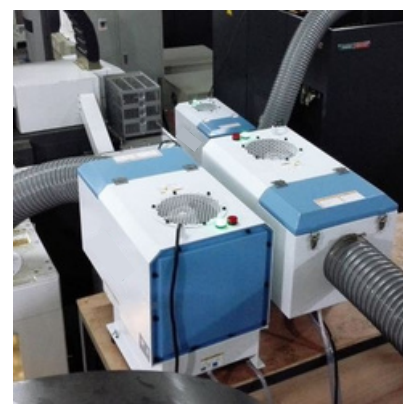
- After the air containing oil mist is sucked in under negative pressure, the oil mist is collected by the filter material, and the separated clean air is discharged.
- With the development of industrial filtration technology, the filtration efficiency of oil mist purifiers has also been significantly improved and it is currently possible to achieve effective purification of high-concentration oil fume.



**Dustman** environmental



## Installation



## Specification

| TYPE                             |                       | DMS-10                                                         | DMS-15 | DMS-20 |
|----------------------------------|-----------------------|----------------------------------------------------------------|--------|--------|
| Fan                              | Power                 | 3P 200V/380V(Adjust the motor wiring method to switch) 50/60Hz |        |        |
|                                  | Air volume(m³/h)      | 600                                                            | 900    | 1200   |
|                                  | Pressure(kPa)         | 1.0                                                            | 1.2    | 1.4    |
|                                  | Motor (W)             | 180                                                            | 290    | 500    |
| Filter                           | Filter object         | Fume and oil mist produced by emulsion and cooling oil         |        |        |
|                                  | 1st filter            | Primary sponge filter                                          |        |        |
|                                  | 2nd filter            | Medium-efficiency sponge filter                                |        |        |
|                                  | 3rd filter            | Medium-efficiency sponge filter                                |        |        |
|                                  | 4th filter            | High-efficiency polyester fiber filter                         |        |        |
|                                  | After                 | HEPA filter                                                    |        |        |
|                                  | Filtration efficiency |                                                                | 99.5%  |        |
|                                  | Noise (dB)            | 64±2                                                           | 66±2   | 68±2   |
| Dimension (mm)                   | Depth                 | 606                                                            | 681    | 723    |
|                                  | Width                 | 310                                                            | 392    | 409    |
|                                  | Height(except for AF) | 396                                                            | 447    | 502    |
|                                  | Inlet diameter        | Ø125                                                           | Ø150   | Ø200   |
| Maximum suction temperature (°C) |                       | 60                                                             |        |        |
| Oil outlet diameter              |                       | Ø12mm                                                          |        |        |
| Accessories                      |                       | Oil drain hose, Shockproof rubber pad                          |        |        |
| Weight (kg)                      |                       | 20                                                             | 25     | 35     |
| Exterior color                   |                       | White + blue (Color can be customized)                         |        |        |
| 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.