

## MIST CATCH

Non-filter  
oil mist  
collector

Electrostatic  
oil mist  
collector

Filter  
oil mist  
collector

Option

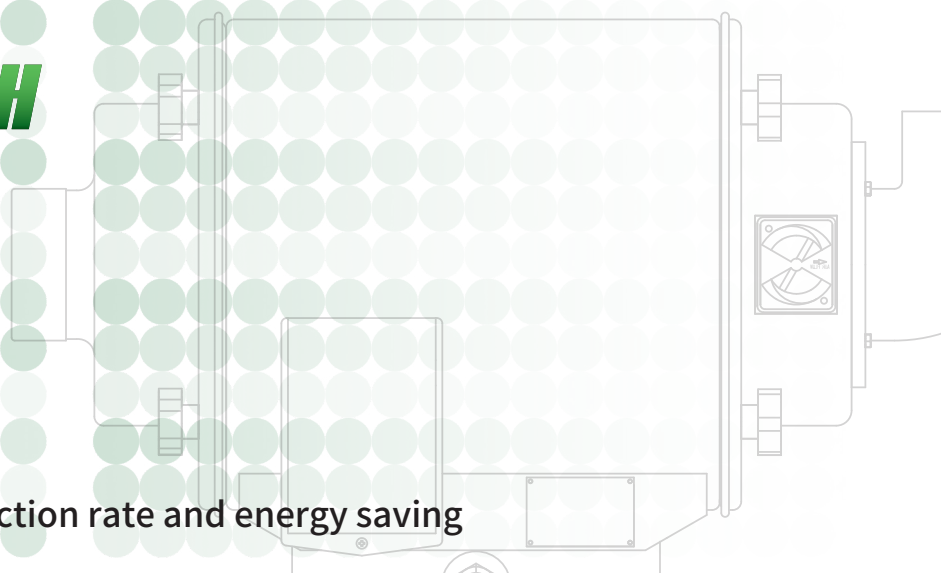
Auto-cleaning  
unit



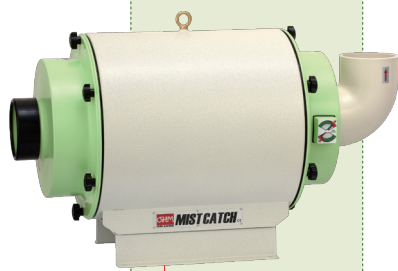
OIL MIST COLLECTOR

# ***MISTCATCH***

# **Filter**

Low price, high collection rate and energy saving



PRODUCT LINEUP		Filter type line up				
Airflow(m³/min) 50/60Hz	5	10	15	20	25	
<p>OMC-F105A</p>  <p>4.2/5m³/min</p>		<p>OMC-F110A</p>  <p>8/10m³/min</p>		<p>OMC-F120A</p>  <p>18/20m³/min</p>		

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Filter Oil mist collector

# OMC-F series

## OMC-F105A/F110A/F120A

99.8% or more collection efficiency!



Airflow indicator



Collection method —



Features



### Model/Specifications

Model	OMC-F105A	OMC-F110A	OMC-F120A
Max. airflow	4.2／5m³/min	8／10m³/min	18／20m³/min
Collection efficiency	99.8% or more (by gravimetric method)		
Rated voltage	3-phase, 200VAC, 50/60Hz		
Motor output rating	0.3kW(2P)	0.4kW(2P)	1.12kW(2P)
Current consumption	1.6／1.6A	2.0／2.0A	4.7／4.5A
Working temperature	0 to +40℃		
Max. working humidity	85%RH, free from condensation		
Noise (at 1m)	57dB(A)	63dB(A)	66dB(A)
Max. suction air temp.	+50℃		
Suction port diameter	100mm	125mm	150mm
Weight	25.0kg	30.0kg	50.0kg
Standard accessory	φ100 duct flange	φ125 duct flange	φ150 duct flange
	Duct hose band	Duct hose band	Duct hose band
	2m drain hose	2m drain hose	2m drain hose
	Drain hose band	Drain hose band	Drain hose band
	Anti-vibration rubber	Anti-vibration rubber	Anti-vibration rubber
	Instruction manual	Instruction manual	Instruction manual

### ⚠ Caution

- Be sure to read the instruction manual carefully before use.
- This product is intended for collecting general watersoluble and oil mist that generates during production process using various machine tools. Never have it inhale the following substances.
  - Ignition sources and fire sparks generated in machine processing
  - Flammable substances such as gasoline, thinner, benzene, kerosene and others as well as oil and cleaning liquid with an ignition point 80 degrees C or below,
  - Explosive substances such as aluminium, magnesium and titanium as well as materials ridden with those substances,
  - Flammable liquid, mist and materials ridden with these substances,
  - Corrosive and adhesive substances and hazardous gas or air with a lot of unusual substances
  - Dust
  - Hot air exceeding 50 deg. C.
- Tampering or repairing the product should be strictly avoided. Please contact us for repairing service.

- Do not operate the product with its terminal box uncovered.
- This product should not be used in an atmosphere which contains chlorine, sulfuric or fluorine gasses, oxalic acid, xylene, or methyl tetrachloride and the like.
- Never touch the motor during operation. Do not put your fingers or foreign matters in the rotating part of fan.
- The altitude of the site of use should be lower than 1000m.
- The site of use should be free from vibrations or shocks.
- Do not vibrate, shock or overload the product when it is moved.
- Precision apparatuses should not be arranged near the exhaust port.
- Electrical works required for mounting the product should be done by professionals or qualified personnel.
- Make sure that the packaging is not damaged on delivery. Damages during transportation may lead to product failure. In case any damage is found, contact us immediately.

## Maintenance

1

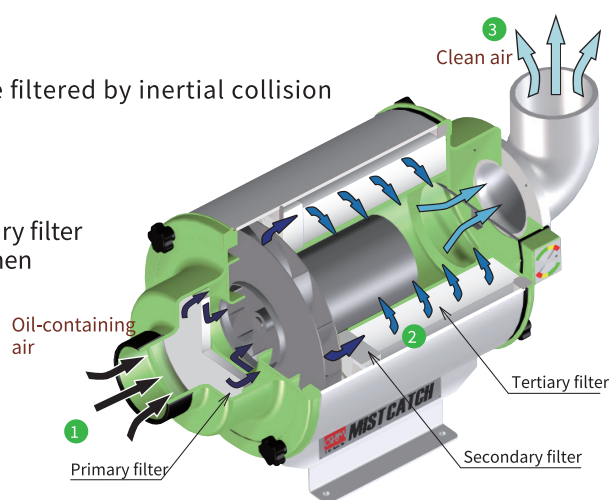
Larger particles in the incoming air are filtered by inertial collision as a primary step.

2

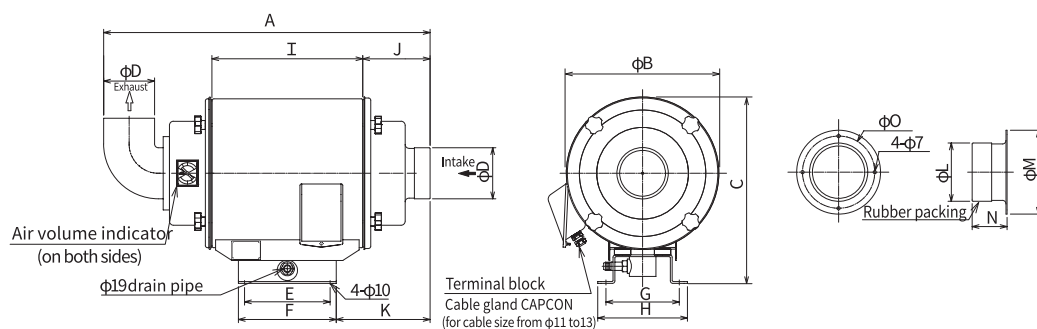
Smaller particles escaped from the primary filter are trapped by the secondary filter and then by the tertiary filter.

3

Clean air after passing through the above three filters goes out through the exhaust port.

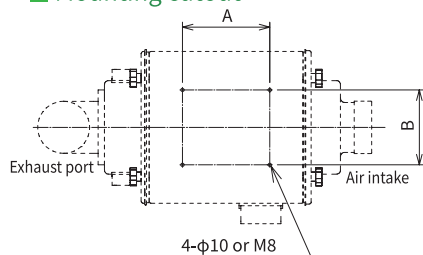


## Outline drawing



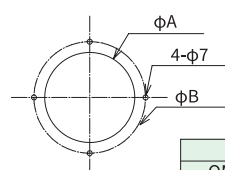
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
OMC-F105A	680	320	404	99	210	240	180	220	322	140	183	99	160	59	125
OMC-F110A	800	365	452.5	125	210	240	180	220	370	165	230	125	180	75	155
OMC-F120A	973	452	550	150	360	400	280	320	480	184	224	150	200	81	180

## Mounting cutout



Model	A	B
OMC-F105A	210	180
OMC-F110A	210	180
OMC-F120A	360	280

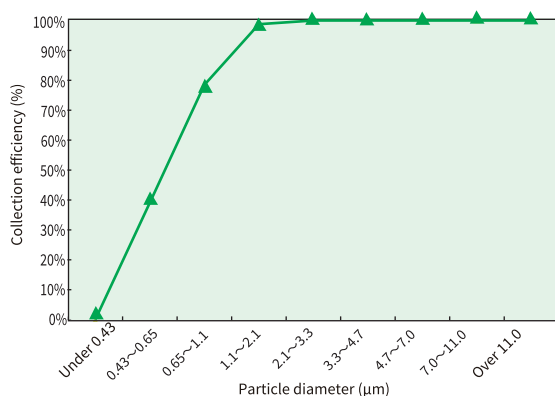
## Mounting cutout for duct flange



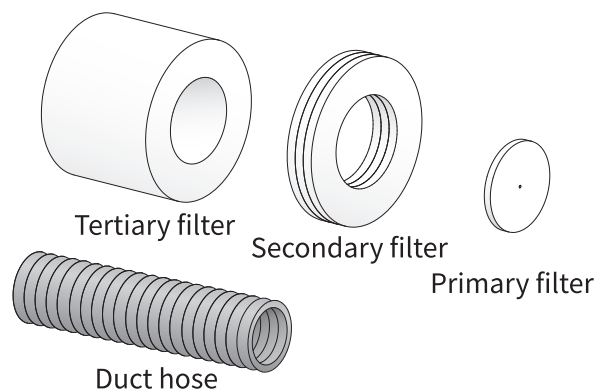
Model	A	B
OMC-F105A	100	125
OMC-F110A	125	155
OMC-F120A	150	180

## Collection efficiency

(for water-insoluble cutting oil)  
Measurement by Low Volume Air Sampler AN-200 type



## Option



For options See **P039**