

MIST
CATCH

Non-filter
oil mist
collector

Electrostatic
oil mist
collector

Filter
oil mist
collector

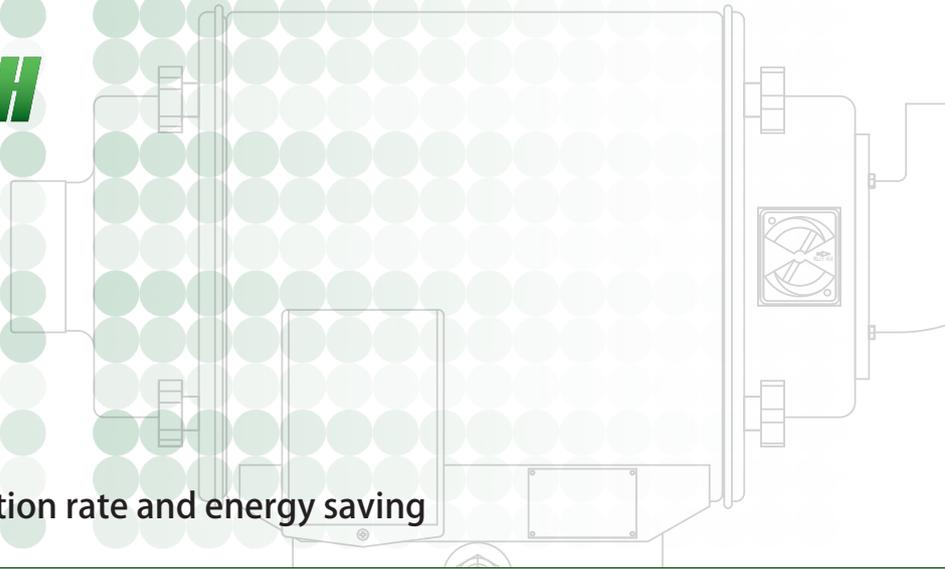
Option

Auto-cleaning
unit

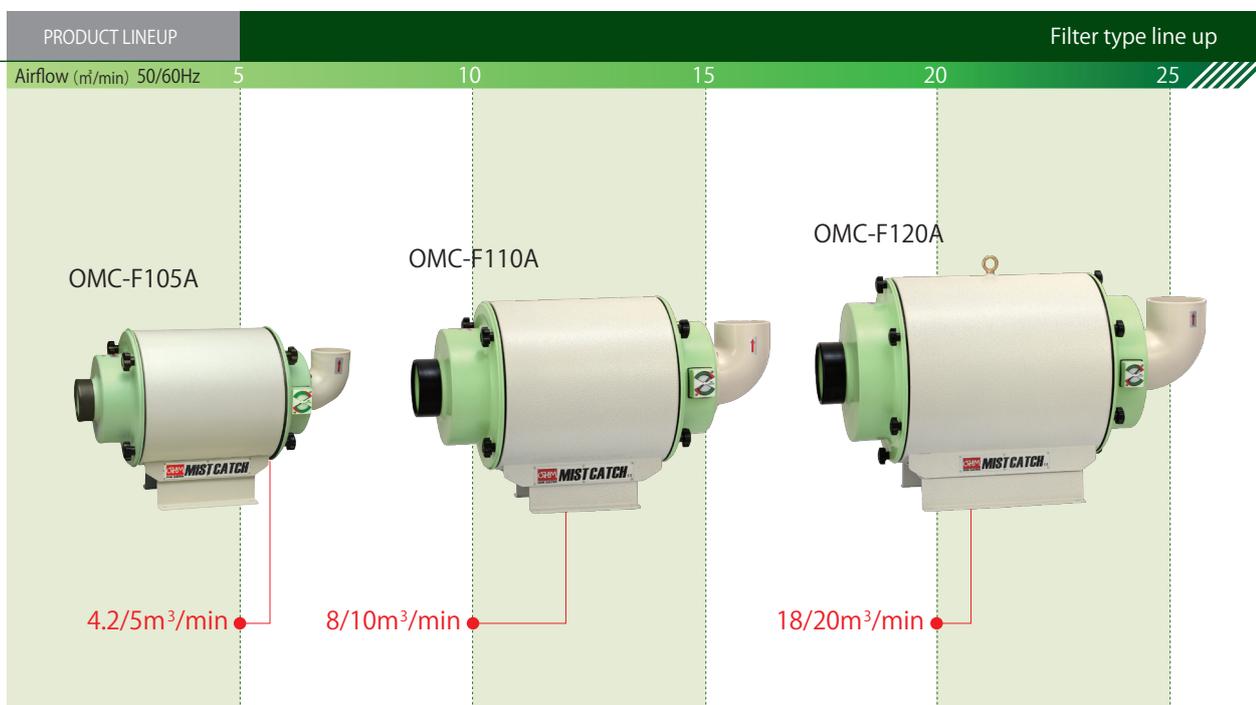
OIL MIST COLLECTOR

MISTCATCH

Filter



Low price, high collection rate and energy saving



MIST
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Non-filter
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Option

Auto-cleaning
unit

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	4.2/5m ³ /min	8/10m ³ /min	18/20m ³ /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°C		
Max. working humidity	85%RH, free from condensation		
Noise (at 1m)	57dB (A)	63dB (A)	66dB (A)
Max. suction air temp.	+50°C		
Suction port diameter	100mm	125mm	150mm
Weight	25.0kg	30.0kg	50.0kg
Standard accessory	φ100 duct flange 1 Duct hose band 2 2m drain hose 1 Drain hose band 1 Anti-vibration rubber 4 Instruction manual 1	φ125 duct flange 1 Duct hose band 2 2m drain hose 1 Drain hose band 1 Anti-vibration rubber 4 Instruction manual 1	φ150 duct flange 1 Duct hose band 2 2m drain hose 1 Drain hose band 1 Anti-vibration rubber 4 Instruction manual 1

⚠ Caution

- Be sure to read the instruction manual carefully before use.
- This product is intended for collecting general water-soluble 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

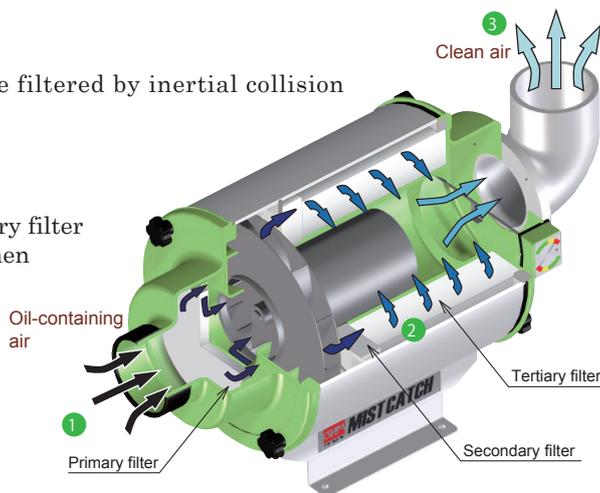
Larger particles in the incoming air are filtered by inertial collision as a primary step.

2

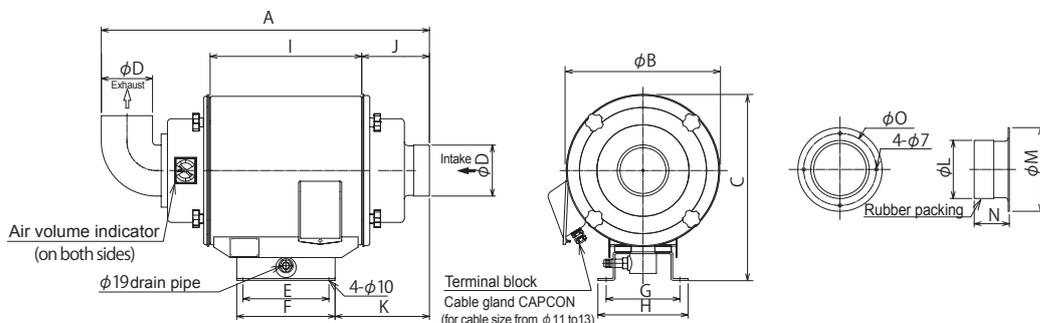
Smaller particles escaped from the primary filter are trapped by the secondary filter and then by the tertiary filter.

3

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

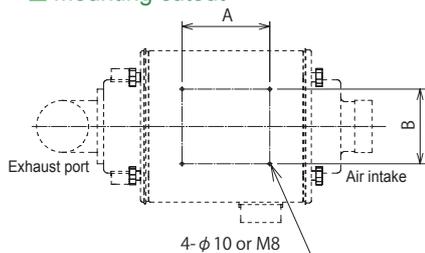


Outline drawing



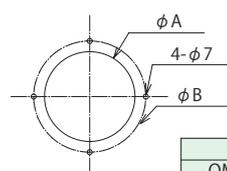
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
OMC-F105A	680	320	404	99	210	240	180	220	322	140	183	99	160	59	125
OMC-F110A	800	365	452.5	125	210	240	180	220	370	165	230	125	180	75	155
OMC-F120A	973	452	550	150	360	400	280	320	480	184	224	150	200	81	180

Mounting cutout



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

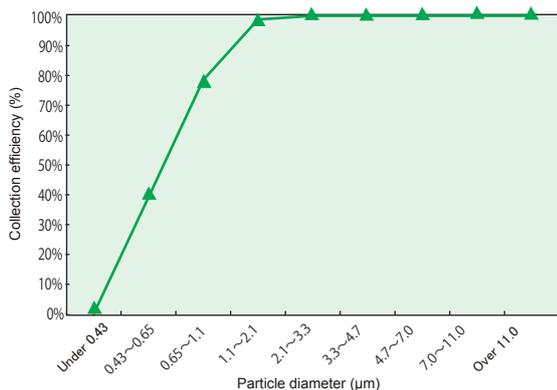
Mounting cutout for duct flange



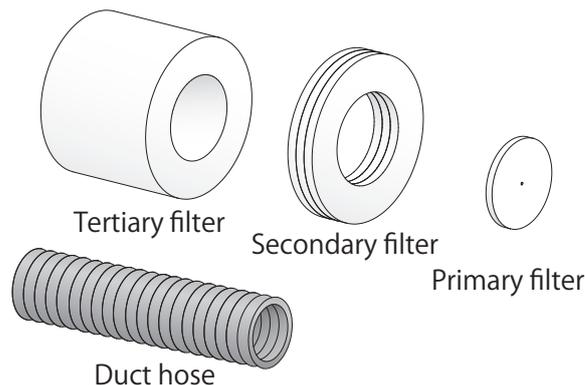
Model	A	B
OMC-F105A	100	125
OMC-F110A	125	155
OMC-F120A	150	180

Collection efficiency

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



Option



For options See **P039**

FMISTCATCH >> OMC-F105A/F110A/F120A