

MIST
CATCH

Non-filter
oil mist
collector

Electrostatic
oil mist
collector

Filter
oil mist
collector

Option

Auto-cleaning
unit

Non-filter Oil mist collector

OMC-11

(10m³/min)

Energy saving, high power and compact!



Example of use



RoHS

Collection method



Features



Model/Specifications

Model	OMC-11
Max. airflow	8/10m ³ /min
Collection efficiency	83% ±% (2μm or larger)
Rated voltage	3-phase, 200VAC, 50Hz/200-220V, 60Hz
Motor output rating	0.2kW (2P)
Current consumption *1	1.0/1.3-1.3A or less
Working temperature	0 to +40°C
Max. working humidity	85%RH, free from condensation
Noise	77dB(A)
Max. suction air temp.	+50°C
Suction port diameter	φ123mm
Paint color	Ivory (10GY9/1 equivalent)
Weight	13.0kg
Standard accessory	2m φ 18 drain hose, 1 drain hose band, 1 instruction manual

*1 Rated value in 25°C air temperature

⚠ 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.
 - Large amount of liquid
 - Substances that remarkably accelerate rusting of metals or aging of plastics

- This product should not be used in an atmosphere which contains chlorine, sulfuric or fluorine gases, oxalic acid, xylene, or methyl tetrachloride and the like.
- Tampering or repairing the product should be strictly avoided. Please contact us for repairing service.
- Precision apparatuses should not be arranged near the exhaust port where fine particles may fall on.
- Fine particles like fume or gasses are discharged with air.
- Electrical connection should be done via an appropriate circuit breaker
- Indoor use only. The altitude of the site of use should be lower than 1000m.
- The site of use should be free from vibration or impact.
- 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.

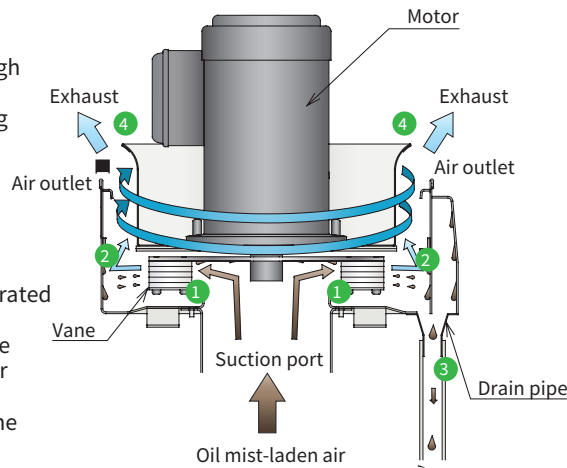
Mechanism

1

Oil-containing air is inhaled through the air intake from underneath of MIST CATCH by its rapidly spinning vane attached to the motor shaft.

2

The inhaled air flow is then accelerated by centrifugal force when passing through the numerous pores of the vane and collides against the inner wall of the MIST CATCH housing. This separates oil particles from the outgoing air.



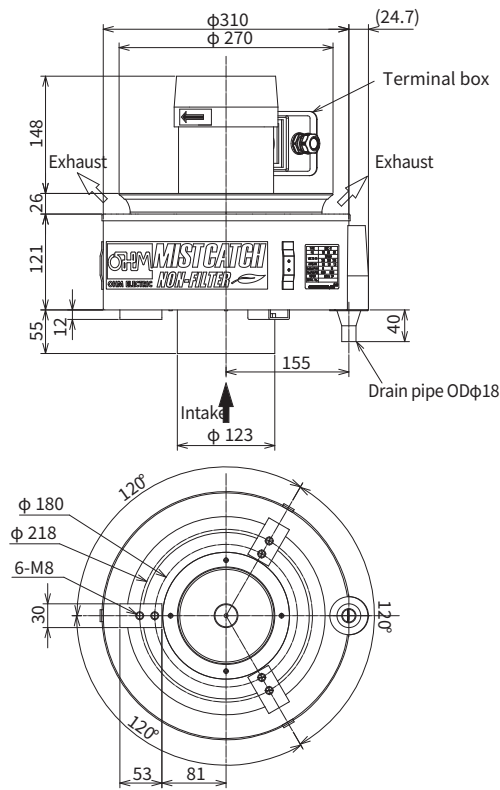
3

By air spirals around the wall, oil particles sit on the inner wall drip along the wall surface down to the slits to be discharged from the drain pipe.

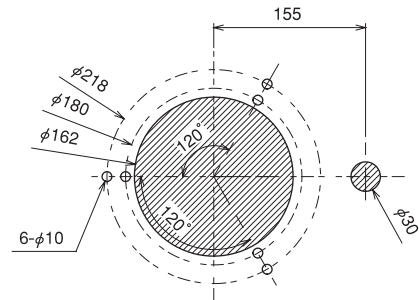
4

The outgoing air is returned to the atmosphere out of the air outlet.

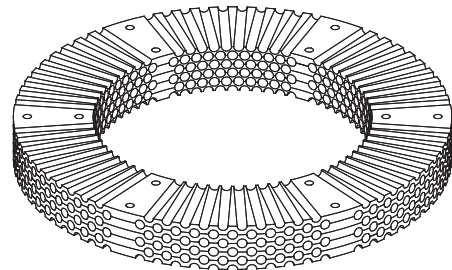
Outline drawing



Mounting cutout



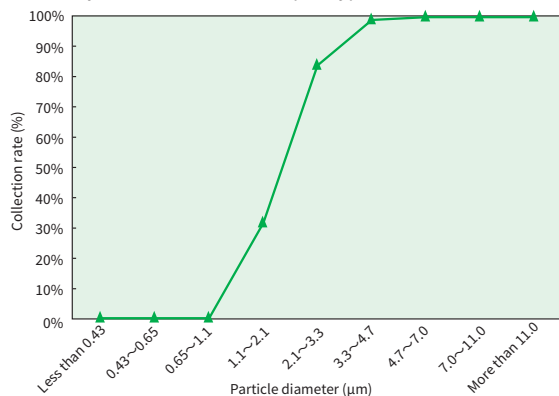
Vane construction



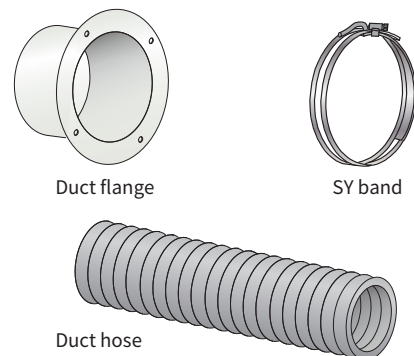
Material: TPX (Polymethylpentene)
Registered trademark of Mitsui Chemicals, Inc.

Collection rate

Test oil : Water-insoluble cutting oil
Measured by : Low Volume Air Sampler type AN-200



Option



For options See P036