



JIN TAIRY ELECTRIC CO., LTD.

CE ISO-9001 International Quality Certification

OIL MIST COLLECTORS AIR CLEANER



Separation
oil and mist



Air purification



Separation
oil and water



E-customized



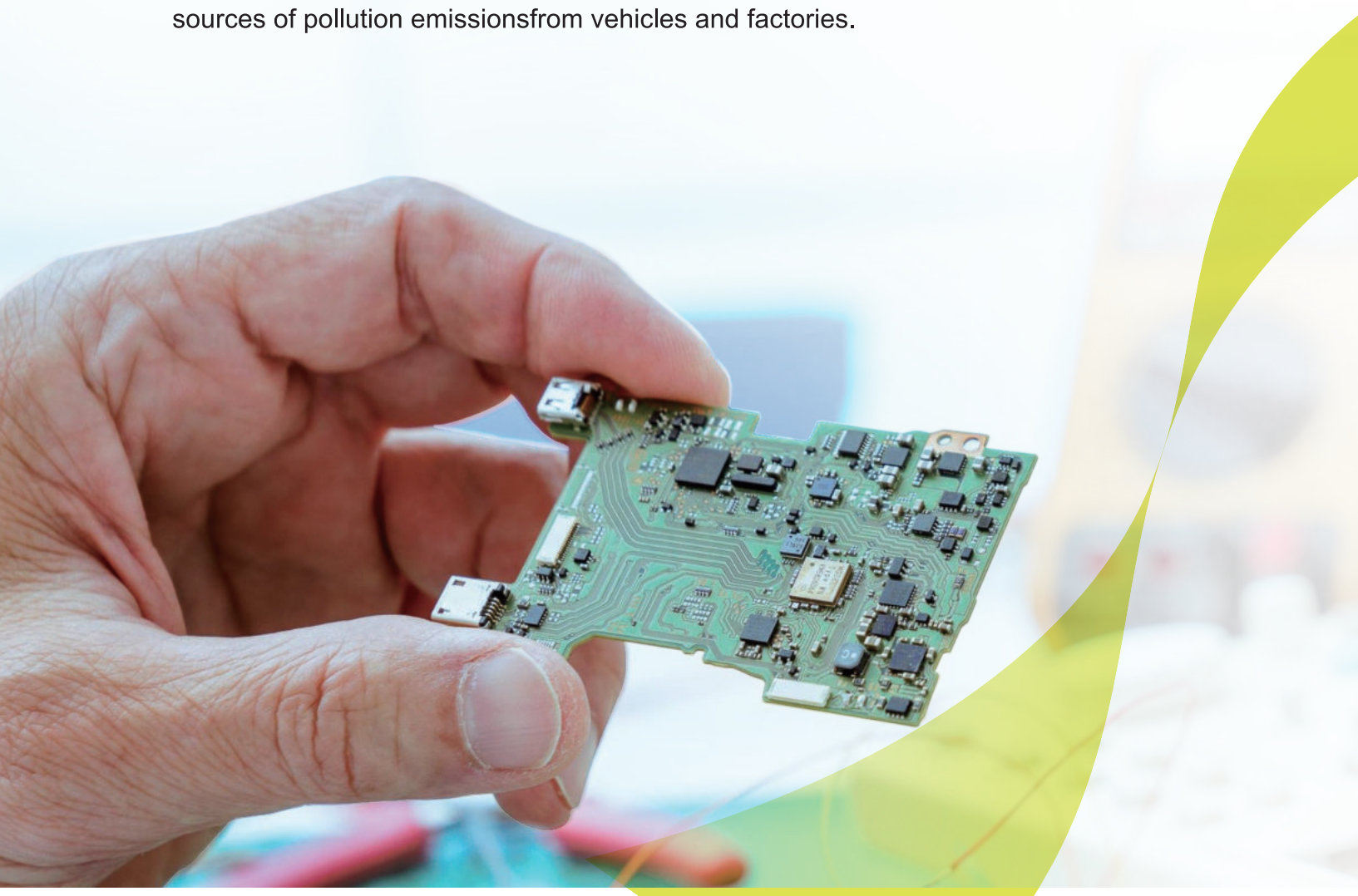


Since 1996 About Jin Tairy

Foreword

「 People oriented, quality technology oriented. Innovation and technology as the radius, create the perfect life circle.」

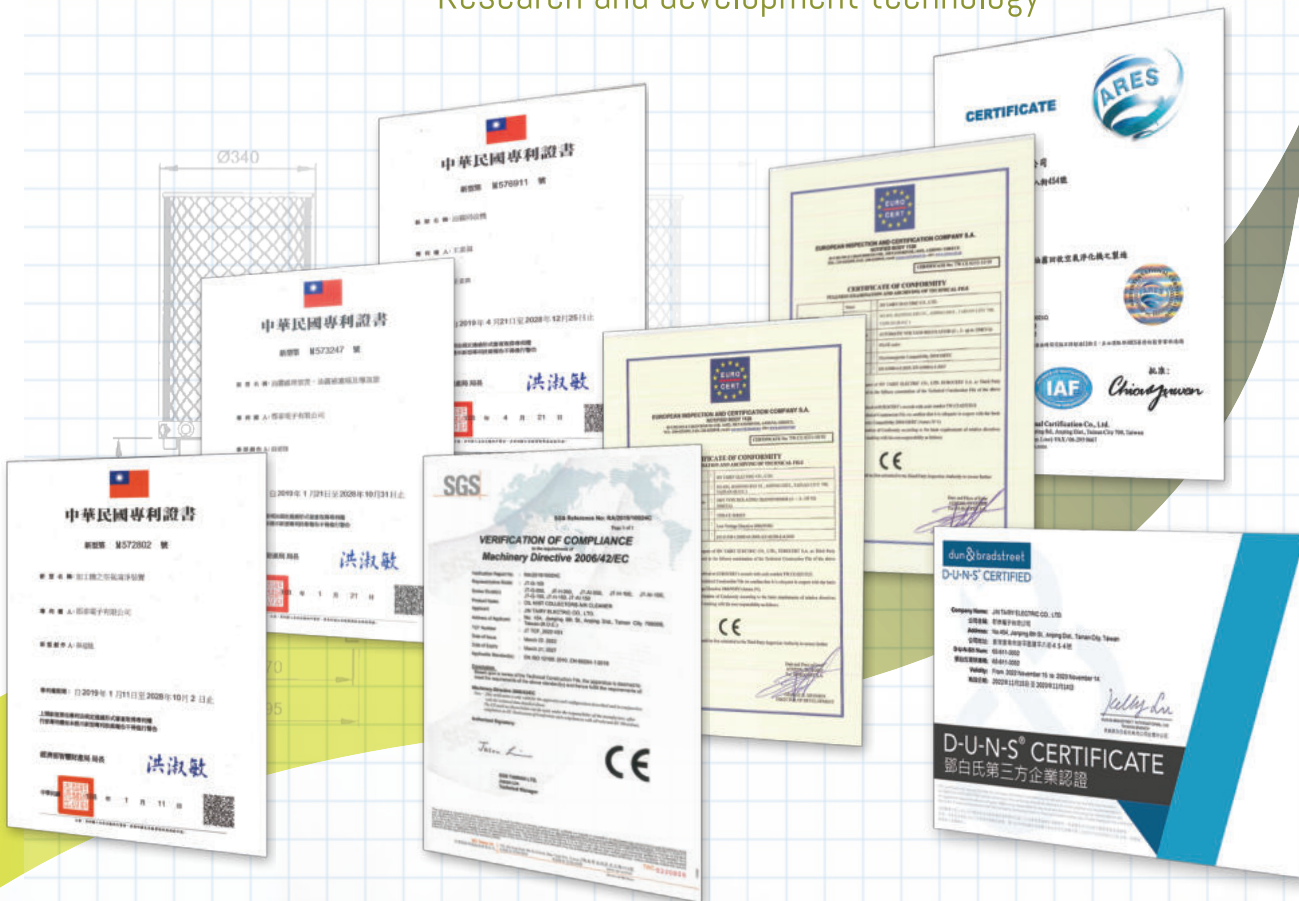
JIN TAIRY ELECTRIC CO; LTD. Founded in 1996 initially specialized in producing various,AC power supplies automatic voltage regulator transformer products are distributed throughout the country major military and private enterprises and even more marketed in worldwide. Occupy a position in the field of power equipment manufacturing in view of the rise of global environmental awareness air pollution in Taiwan is getting worse, in 2014 the environmental and "Green Energy Business unit" developed a series of "oil mist collectors air cleaner", to contribute to the prevention and control of industrial air pollution has changed in recent years. It is mainly the two major sources of pollution emissions from vehicles and factories.





Patent certificate and international certification

Research and development technology

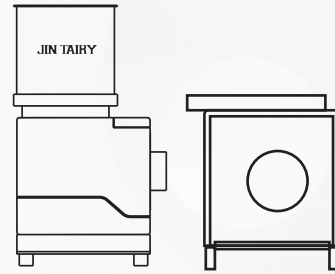


PM2.5 is the pursuit of air quality. In view of this, JIN TAIRY ELEC-TRIC CO., LTD. focuses more on industrial air pollution prevention and continuously develop innovative oil mist collectors air cleaner series recently improved AI intelligent oil mist collectors air cleaner based on industrial design and fluid mechanics in cooperation with R&D teams from top universities such as Chung Chen University, Tainan University and Nantai University of Science and Technology, Developed and designed with the latest full intelligent high-end technology functions.

Subverts the tradition oil mist collectors air cleaner operation thinking. Adopts centrifugal principle and multilayer filtration effectively achieves PM2.5, consumable materials replacement and labor maintenance costs high efficiency and energy saving no matter the appearance design and performance, Industry leader in oil mist collectors air cleaner. JIN TAIRY ELECTRIC CO; LTD. always adheres to the business philosophy of Honesty, Quality, Service and Innovation. And constantly strives for excellence in seeking truth from facts step by step and continuous research and development and innovation to achieve the goals of product diversification, reasonable price and international sales.

Applicable Equipment

PROCESSING



- I. CNC Machine Center
2. CNC Lathes
3. CNC Milling Machine
4. Grinding Machine
5. Nut Forming Machine
6. Plastic Injection Molding Machine
7. Laser Engraving Machine
8. Compound Processing Machine
9. Vertical Center Machine
- IO. Horizontal Center Machine
- II. Other Devices

EQUIPMENT

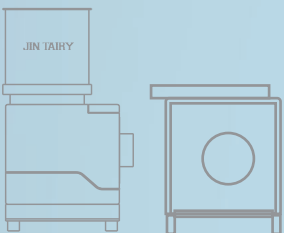


MACHINE





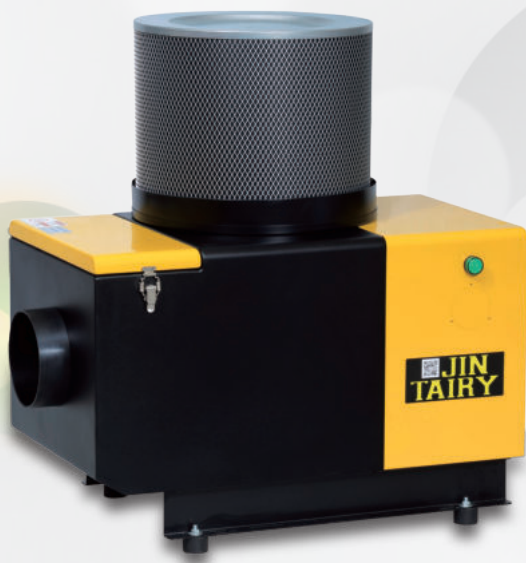
OIL MIST COLLECTORS AIR CLEANER



Air purification experts

Oil mist recovery air purifier full range of products

JT-H Oil mist collectors air cleaner spec.



JT-H-050

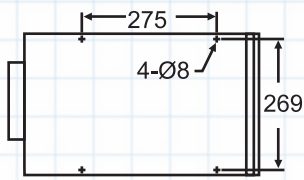
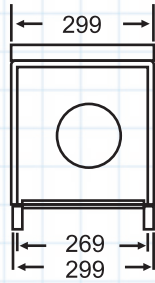
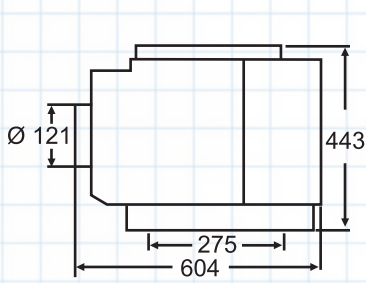


JT-H-025



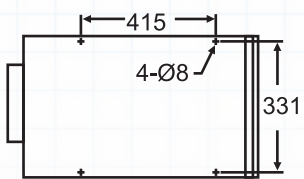
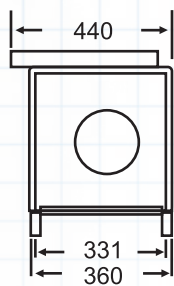
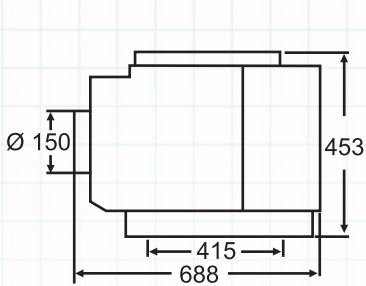
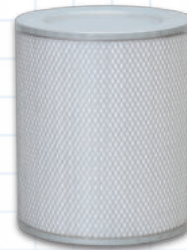
Model	Rated voltage	Frequency	Power	Speed
	V	Hz	HP/KW	RPM
JT-H-025	220/380	50	1/4 / 0.2	2870
		60		3320
JT-H-050	220/380	50	1/2 / 0.37	2900
		60		3360

Oil mist collectors air cleaner dimensional drawing unit



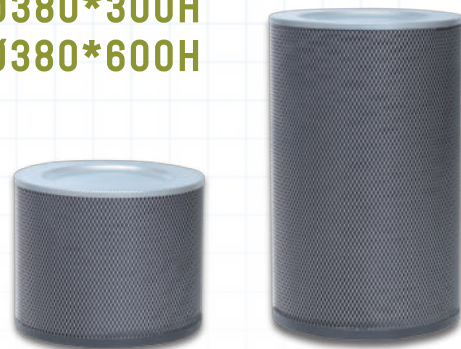
JT-H-025

Filter bucket size
Ø260*300H



JT-H-050

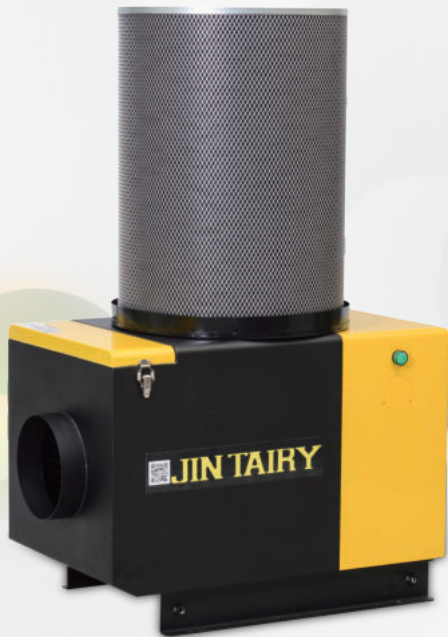
Filter bucket size
Ø380*300H
Ø380*600H



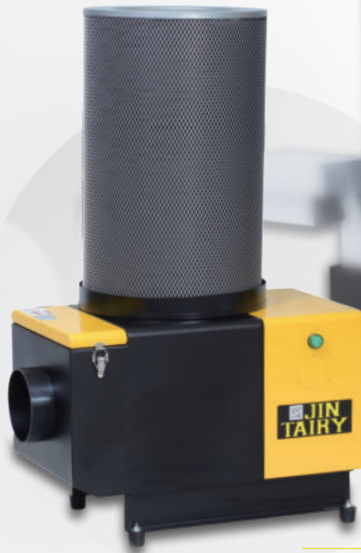
Max air Flow			Max Pressure			Noise	Suction Port	Weight <small>(Not include filter bucket)</small>
CMM	CMH	CFM	mm Aq	inch Aq	Pa	dB(A)	Ø mm	kg
16	960	406	85	3.35	834	65	121	30.27
18	1080	646	122.5	4.82	1201	69		
21	1260	741	113	4.45	1108	68	150	38.5
24	1480	847	160	6.30	1569	73		

Air volume does not include filter bucket measurement. Dimensions and spe. are subject to change without notice.

JT-H Oil mist collectors air cleaner spec.



JT-H-150

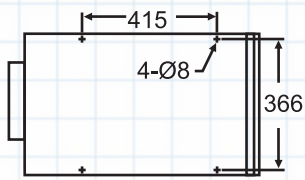
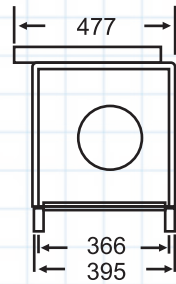
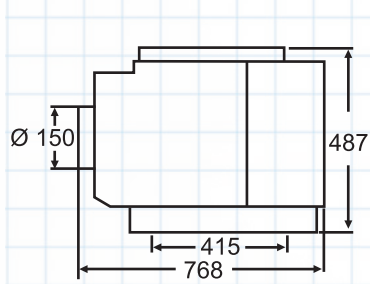


JT-H-100



Model	Rated voltage	Frequency	Power	Speed
	V	Hz	HP/KW	RPM
JT-H-100	220/380	50	1 / 0.75	2900
		60		3400
JT-H-150	220/380	50	1 1/2 / 1.5	2940
		60		3450

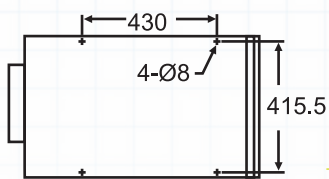
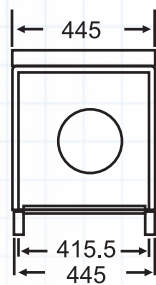
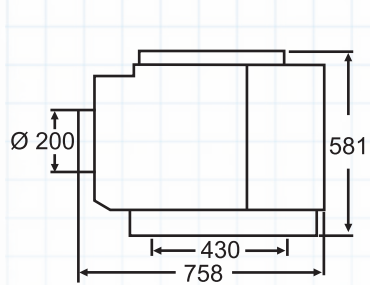
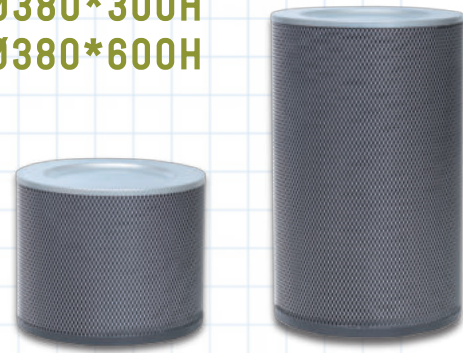
Oil mist collectors air cleaner dimensional drawing unit



JT-H-100

Filter bucket size

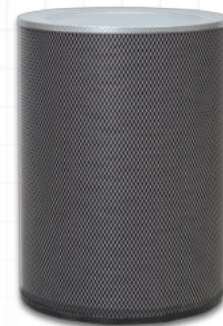
Ø380*300H
Ø380*600H



JT-H-150

Filter bucket size

Ø440*600H



Max air Flow			Max Pressure			Noise	Suction Port	Weight <small>(Not include filter bucket)</small>
CMM	CMH	CFM	mm Aq	inch Aq	Pa	dB(A)	Ø mm	kg
28	1680	988	152	5.98	1491	69	150	49.3
33	1980	1165	215	8.46	2109	73		
40	1762	1400	162	6.37	1586	70	200	61.7
46.8	2080	1652	190	7.48	1865	75		

Air volume does not include filter bucket measurement. Dimensions and spe. are subject to change without notice.

JT-G Oil mist collectors air cleaner spec.



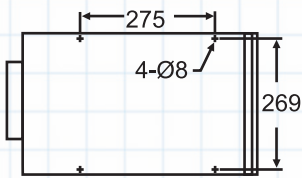
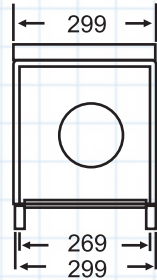
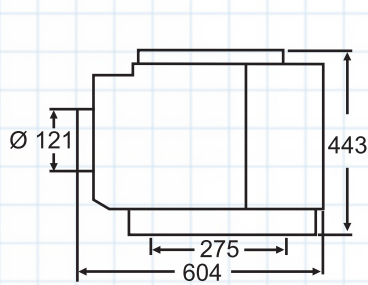
JT-G-025

JT-G-050



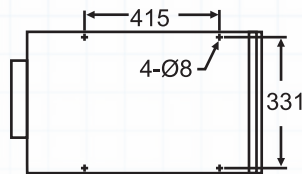
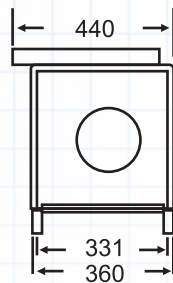
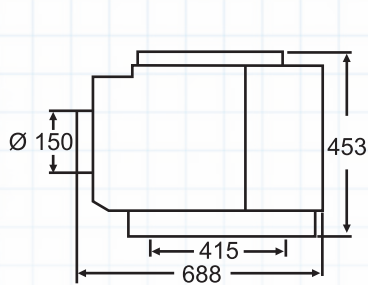
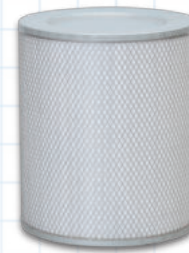
Model	Rated voltage	Frequency	Power	Speed
	V	Hz	HP/KW	RPM
JT-G-025	220/380	50	1/4 0.2	2870
		60		3320
JT-G-050	220/380	50	1/2 / 0.37	2900
		60		3360

Oil mist collectors air cleaner dimensional drawing unit



JT-G-025

Filter bucket size
Ø260*300H



JT-G-050

Filter bucket size

Ø380*300H
Ø380*600H



Max air Flow			Max Pressure			Noise	Suction Port	Weight <small>(Not include filter bucket)</small>
CMM	CMH	CFM	mm Aq	inch Aq	Pa	dB(A)	Ø mm	kg
16	960	406	85	3.35	834	65	121	30.47
18	1080	646	122.5	4.82	1201	69	150	38.7
21	1260	741	113	4.45	1108	68	150	38.7
24	1480	847	160	6.30	1569	73	150	38.7

Air volume does not include filter bucket measurement. Dimensions and spe. are subject to change without notice.

JT-G Oil mist collectors air cleaner spec.



JT-G-150

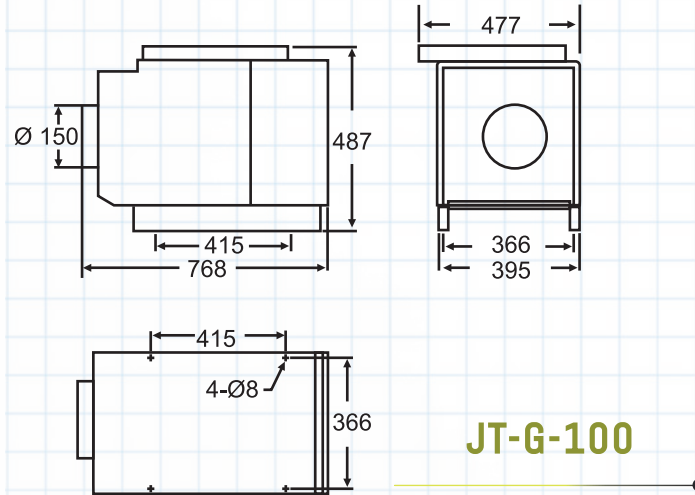


JT-G-100



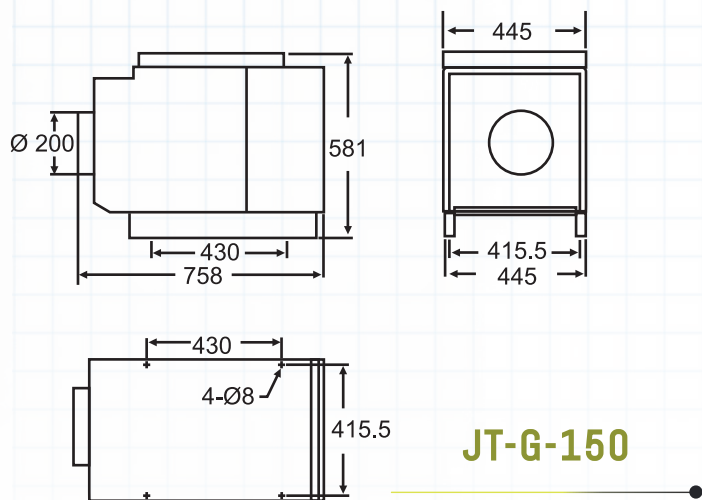
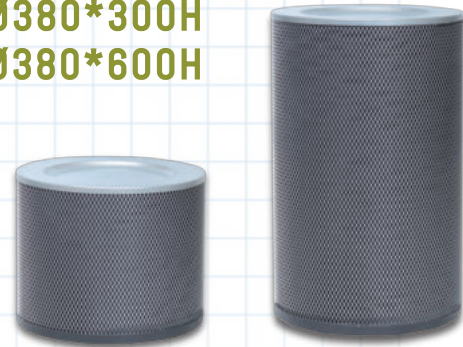
Model	Rated voltage	Frequency	Power	Speed
	V	Hz	HP/KW	RPM
JT-G-100	220/380	50	1 / 0.75	2900
		60		3400
JT-G-150	220/380	50	1 1/2 / 1.5	2940
		60		3450

Oil mist collectors air cleaner dimensional drawing unit



Filter bucket size

Ø380*300H
Ø380*600H



Filter bucket size

Ø440*600H



Max air Flow			Max Pressure			Noise	Suction Port	Weight <small>(Not include filter bucket)</small>
CMM	CMH	CFM	mm Aq	inch Aq	Pa	dB(A)	Ø mm	kg
28	1680	988	152	5.98	1491	69	150	49.5
33	1980	1165	215	8.46	2109	73		
40	1762	1400	162	6.37	1586	70	200	61.9
46.8	2080	1652	190	7.48	1865	75		

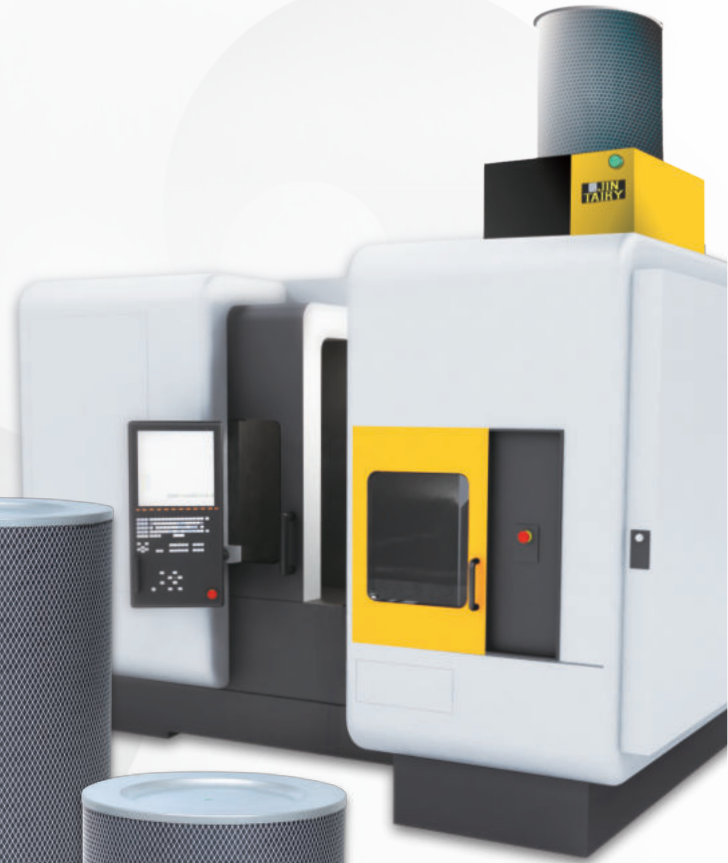
Air volume does not include filter bucket measurement. Dimensions and spe. are subject to change without notice.

JT-AI AI smart type Oil mist collectors air cleaner spec.

Smart Data Integration



JT-AI-100



Filter bucket size
 Ø380*300H
 Ø380*600H

Model	Rated voltage	Frequency	Power	Speed
	V	Hz	HP/KW	RPM
JT-AI-100	220/380	50	1 / 0.75	2900
		60		3400

AI smart type Oil mist collectors air cleaner dimensional drawing unit-Function

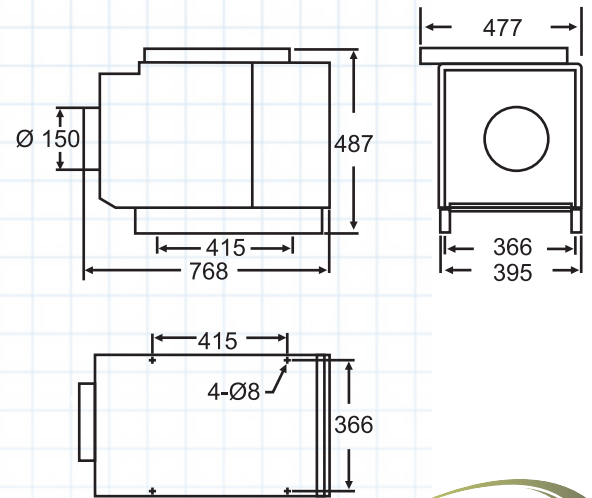
AI smart type screen display function

1. 7" color touch screen LED display screen
2. With chinese and english language interchange
3. With working time count
4. Filter bucket lift status display real-time understanding of filter bucket status by LED (green, yellow, red) light and screen display
5. With failure records and maintenance notifications
6. With display motor running temperature and time
7. Parameter can be updated
8. Online update (optional)

Optional

1. Wifi communication module
2. Open type Modbus communication (Ethernet or Wifi) provide third-party integration.

AI smart type Oil mist collectors air cleaner dimensional drawing unit



Max air Flow			Max Pressure			Noise	Suction Port	Weight (Not include filter bucket)
CMM	CMH	CFM	mm Aq	inch Aq	Pa	dB(A)	Ø mm	kg
28	1680	988	152	5.98	1491	69	150	52.5
33	1980	1165	215	8.46	2109	73		

Air volume does not include filter bucket measurement. Dimensions and spe. are subject to change without notice.

AI smart type Oil mist collectors air cleaner remote management system

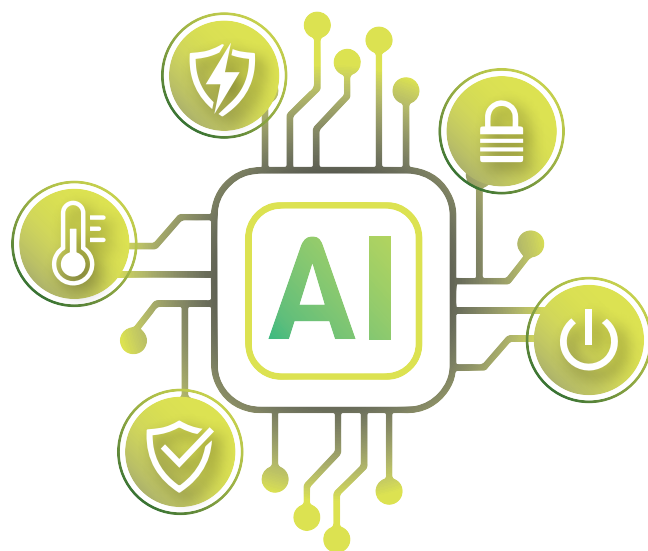


AI Smart Type - Remote Management System

Oil mist collectors air cleaner characteristics

1 AI smart type oil mist collectors air cleaner electrical characteristics

1. With high and low voltage protection function
2. With surge protection EMI
3. With DI/DO action protection
4. With power on/off control function
5. With machine tool connection on/off control function
6. With motor temperature overload and under-phase protection control functions
7. Easy installation provide dry contacts installation (CNC machine, mutual control)



2 Oil mist deflector (optional)

The oil mist deflector is developed to extend the life of filter bucket. 80-85% oil mist is intercepted in the front section of machine and 15-20% surplus goes filter bucket directly. It makes filter bucket full of oil mist quickly but bucket life is short-ened correspondingly. The deflector is designed to lead wind direction down that improves the problem of obstruction while oil mist hitting top of filter bucket directly, but also increases the life of filter bucket. Practical tests approve that Jin Tairy's deflector enables the machine to reach functions of blocking oil mist and extending filter bucket's life.



Oil mist collectors air cleaner purification flow chart

The first step Round stainless steel filter ball

When passing through the metal strainer, 82% oil mist which will be intercepted is collected and trickled back to the cleaner for recycling.



The second step Louver oil mist baffle

Successfully intercept oil mist by changing wind direction down. Oil mist is formed as droplet and collected for recycling in the second step.



The third step stainless steel square filter(reusable)

Oil mist shunts and spreads when passing through the filter. Filter design makes oil mist collection much better.



The fourth step Special design turbo type impeller

High-speed cyclone effect with super suction and centrifugal force, so that the oil mist adheres to the inner wall during the rotation of the impeller. The oil mist is intercepted by the blade bottle and collected.



The fifth step High efficiency filter bucket

When the oil mist passes through the previous several oil mist collection processes, there will still be oil drop lets that have not been completely eliminated. At this time, the filter material of the high-efficiency filter bucket (polyester fiber cotton, fiberglass HEPA filter, etc.) will be selected according to the condition of oil mist, smoke, dust and other suitable material to make the filter. The filter bucket makes it reach the recycling purification efficiency up to 99.9% and reaches the PM2.5 standard value.



AI smartype, Higheffident type Oil mist colledors air deaner purification fow chart



01

Flange seat



02

Round stainless steel filter ball



03

Louver oil mist baffle



04

Stainless steel square filter



05

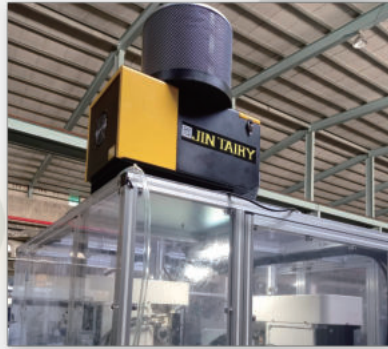
Turbo impeller



High efficiency filter bucket



Installation examples

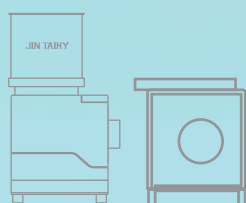




Filter buckets

Air purification experts

Oil mist filter barrel full range of products



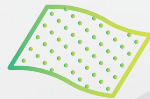


Filter bucket combination material overview

Filter bucket material

Water pollution, oil mist, smoke, dust etc. caused by the use environment and cutting conditions caused environment cleanliness, different material, polyester fibers, resin fibers, and high-efficiency HEPA and glass fibers or ozone(O3), to combine to make a high effective oil mist, recovery air purification rate to 99.9% of the filter bucket.

01



Polyester fiber

Polyester fiber cotton intercepts oil mist effectively. The oil mist attached on filter is collected and trickled back to tray for recycling.

02



Fiberglass (oil absorbing cotton)

Fiberglass (oil absorbing cotton) has same function as polyester fiber cotton to block impurity and gas of oil mist. The air quality becomes harmless to humans after filtration.

03



HEPA filter

HEPA filter is the final defense of bucket. After the filtration of polyesterfiber cotton and fiberglass, few surplus oil mist and suspended particles is totally blocked here.

04



Activated carbon has a deodorizing function

Use activated carbon for effective and rapid removal of organic gases (VOT), reduces odors/odours and harmful odors in the air.

Filter bucket purchase instructions

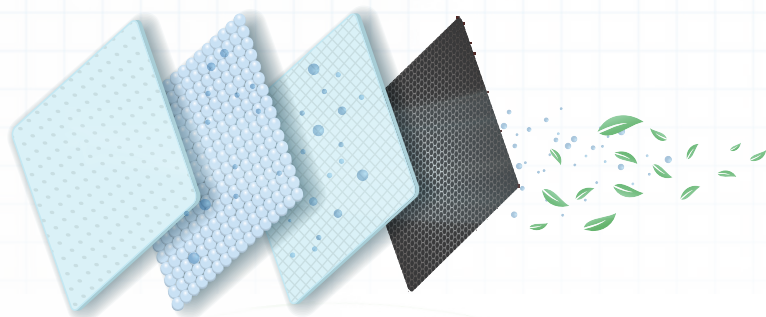
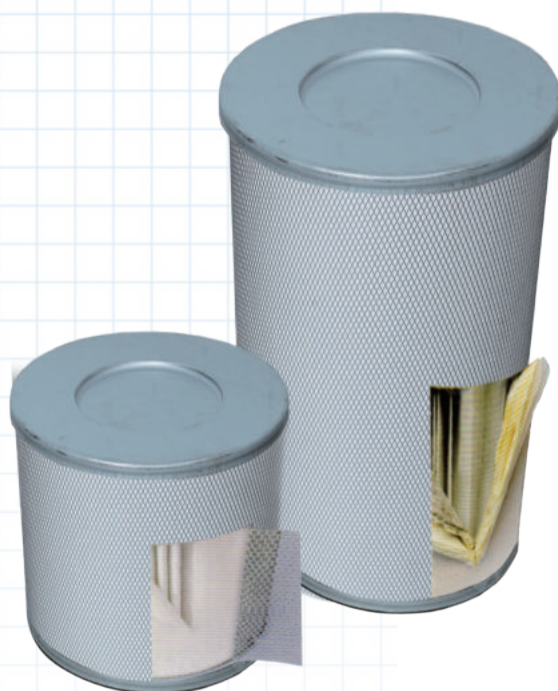
300mm and 600mm Filter Bucket Applicable

300mm filter bucket

This type of light bucket is suitable for light oil mist, water mist, water-based cutting and oily light cutting. If light water vapor and oil mist are generated during processing, you can choose this type.

600mm filter bucket

This type of filter bucket is suitable for oily cutting and heavy cutting of the machine to produce water vapor and oil mist. During processing, if there is a lot of water vapor, oil mist and oil fume due to heavy cutting, you can choose this type.



Oil Mist Collectors Air Cleaner Filter Bucket Spec.

Product code	Material properties
M2	* Water-soluble cutting fluid Special for air purification * Oily cutting liquid (light cutting)
M3	* Oily cutting fluid Special for heavy cutting

Model	Applicable filter bucket specifications
JT-H-025	Ø260*300H
JT-G-025	
JT-H-050	Ø380*300H Ø380*600H
JT-G-050	
JT-H-100	
JT-G-100	Ø440*600H
JT-AI-100	
JT-H-150	Ø440*600H
JT-G-150	

Energy Saving | Clean Air

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solution for the factory



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 **Web:** <http://www.jin-tairy.com>