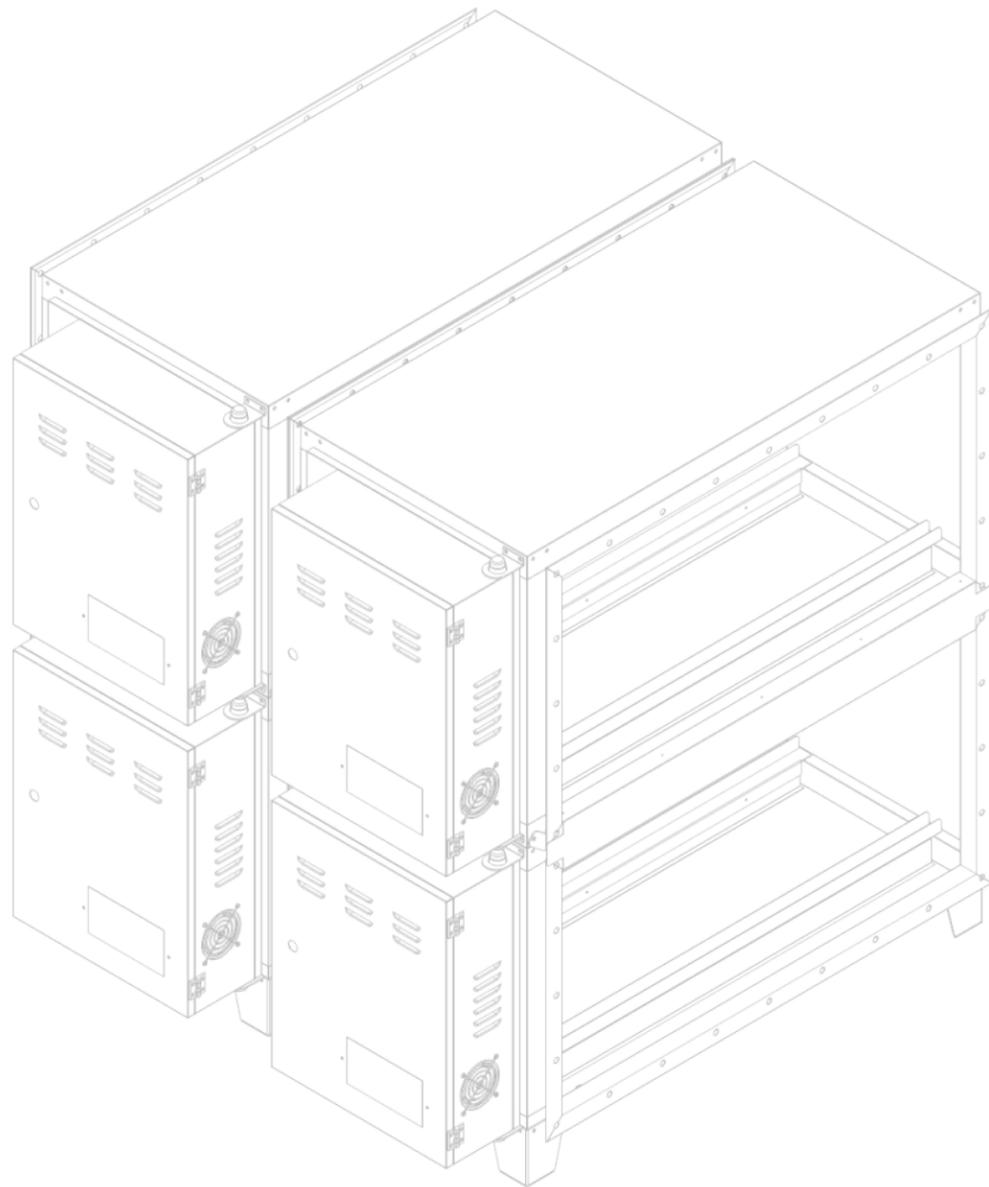


TO CREATE A FRESH WORLD



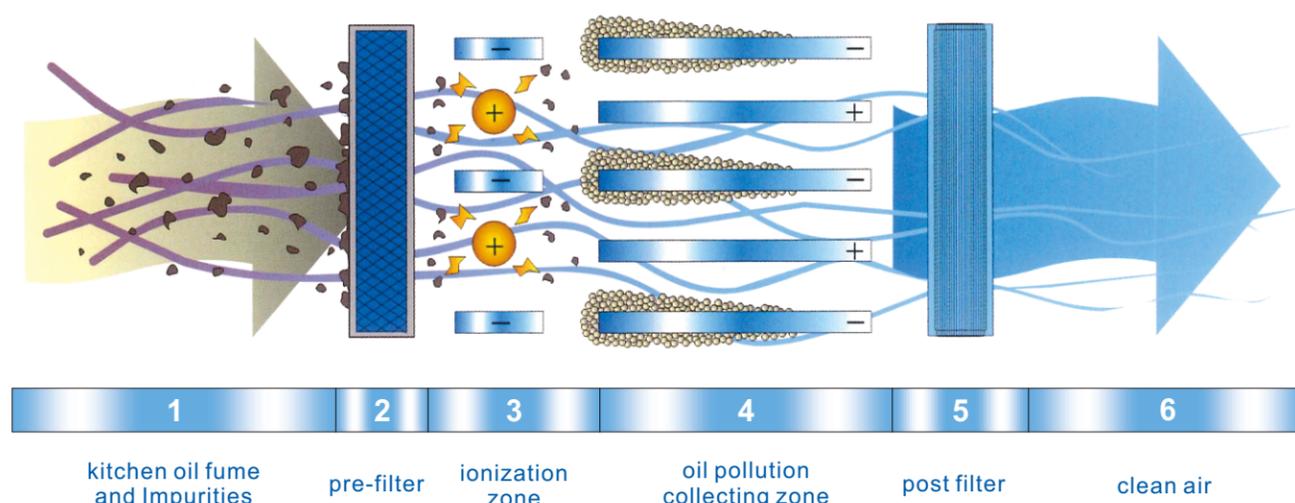
FUME PURIFICATION



PRODUCT OVERVIEW

This oil fume purification equipment is suitable for restaurants, hotels, company canteens and food processing plants to treat and purify kitchen oil fume, factory exhaust gas, dust, harmful gases and indoor air, but it is forbidden to purify oil fume and fire smoke at the same time. On the basis of absorbing and drawing lessons from the advantages of Chinese ventilation equipment, this composite electrostatic oil fume purifier strictly follows the "Catering Fume Purifier" (HCRJ048-1999) and "Technical Requirements and Testing Technical Specifications for Catering Fume Purification Equipment" (HJ/T62-2001)) to design and manufacture according to the specified technical conditions. The product complies with the requirements of the "Catering Fume Emission Standard" (GB18483-2001) of the State Environmental Protection Administration of China, and has obtained the "Environmental Protection Product Certification" issued by the China Environmental Protection Industry Association.

The working principle of electrostatic oil fume purifier



- ★ breathing in polluted air
- ★ Large particles of oil fume undergo balanced inertial collision and separation in the pre-filter, and are then removed; during this process, the flow rate of the oil fume is relatively stable, which helps to improve the overall purification efficiency.
- ★ Using a modular high-voltage electrostatic electric field and a scientific corona + electrode combination installation, it achieves low corona voltage, strong discharge performance and high intensity, so that a large number of oil mist particles are adsorbed on the dust collection plate.
- ★ The rear filter uses a dual filtration and adsorption combination of modular metal mesh + activated carbon, which can effectively remove the last remaining substances and odors.
- ★ Exhaust purified clean air

Working principle of high and low voltage two-stage type

The two-stage static electricity of the ionization section + the collection section is used to adsorb and remove fine particles of carbon oxides and impurities in the air. The two-stage type includes an ionization stage and a collection stage. Each group of ionization sections consists of a series of tooth-shaped discharge electrodes. When particles in the atmosphere pass through the strong electrostatic field of the ionizer, they will be ionized with positive or negative charges. Each set of collection segments consists of many parallel plates with the same electric field polarity as the ionizer but half the voltage. When the charged particles are attracted by the grounding plate, they are also driven by the charged plate, thereby efficiently removing the charged oil fume particles in the airflow. The collection assembly can only pass through the collection section when the airflow is evenly distributed and low velocity. The air flows at a specific velocity under the traction of a fan located behind the collection assembly.

Product features

LFJDW series oil fume purifiers use mechanical inertial separation + electrostatic ionization adsorption to meet the local emission standard of oil fume concentration of 1.0mg/m³

High efficiency: The distance between the plates is 5mm-9mm, which effectively captures the oil fume particles and has high purification efficiency.

Flexible: Modular purification units can be flexibly combined. According to different purification processing capacity, purification efficiency and on-site installation environment requirements, the form of the whole machine can be adjusted adaptively. The humanized modular design can easily combine the air volume required by the user.

Convenience: The modular purification unit adopts a split drawer structure, which is easy to install, maintain and clean.

Advanced: Self-developed high-performance non-inductive superimposed pulse control power supply adopts dual-frequency control technology instead of the single-frequency control system commonly used in China. It can automatically adjust the electric field intensity to ensure that the purification equipment remains stable after long-term operation. Higher purification rate.

Safety: The safety system is carefully designed; the amount of ozone generated is less than 0.01PPM and will not cause secondary pollution. Comply with ROHS standards.

Stable: The electrostatic power supply control system has an automatic overcurrent and overvoltage protection device to ensure stable operation of the equipment.

Economical: long service life, high efficiency and energy saving, small footprint.

Composite electrostatic oil fume purifier

LFJDW-GA

This purifier is equipped with a single-zone electrostatic air purification system electric field, which is composed of a certain number of parallel plates, which are connected with high-voltage direct current (including polarity) to form an electric field. With backing plates, when particles in the air flow enter the electric field, will be charged and adsorbed.

While ensuring smooth distribution of airflow, the collection component needs to ensure that it passes through the collection section at low speed. The air flow is powered by a fan located behind the collection assembly, pushing the air to flow at a specific speed. Because it is equipped with a single-zone electric field and the size of the equipment is limited, when a certain air volume passes through the purifier, the oil smoke removal effect is very low. The rate is $\geq 65\%$



Note: The above are standard air volume modules. If you need a larger air volume, you can choose the standard air volume module for combination.

High altitude emission type GA

Model	Air Volume (m³/h)	Dimensions (L*W*H)	Air Inlet and Outlet (L1*H1)	Air Resistance (P)	Power (W)	Weight (kg)
LFJDW-GA-4	4000	650×665×730	375×530	<120	150	45
LFJDW-GA-6	6000	650×760×730	470×530	<120	200	50
LFJDW-GA-8	8000	650×857×730	567×530	<120	280	55
LFJDW-GA-10	10000	650×1140×730	850×530	<120	300	85
LFJDW-GA-12	12000	650×1330×730	1040×530	<120	450	95
LFJDW-GA-15	15000	650×1525×730	1235×530	<120	500	105
LFJDW-GA-20	20000	650×1615×730	1325×530	<120	650	110
LFJDW-GA-25	25000	650×1710×730	1420×530	<120	700	115
LFJDW-GA-30	30000	650×1807×730	1517×530	<120	750	123
LFJDW-GA-40	40000	650×1900×730	1610×530	<120	850	128
LFJDW-GA-50	50000	650×2000×730	1710×530	<120	900	135
LFJDW-GA-60	60000	650×2190×730	1900×530	<120	950	143

Note: The above dimensions are for reference only, and the actual dimensions shall prevail; if there is any change, the contract shall prevail, and special requirements can be customized

LFJDW-GA Series oil fume purifier

LFJDW-GA series oil fume purifiers are oil fume purifiers suitable for high-altitude emissions. It can help the oil fume waste emitted from commercial kitchens. The gas can achieve the effect of high-altitude emission. Suitable for kitchens with public exhaust ducts or high-altitude exhaust conditions. It has, small size, Features such as high purification efficiency, modular production, and modular splicing allow you to freely match the required air volume products. It comes with:

- ★ High voltage constant power supply (multiple protections, stable and efficient);
- ★ Equipped with real-time operating status indicator light, the operating status is clear at a glance;
- ★ Single-zone electric field (made of galvanized iron plate, reinforced with thick frame, economical and durable)

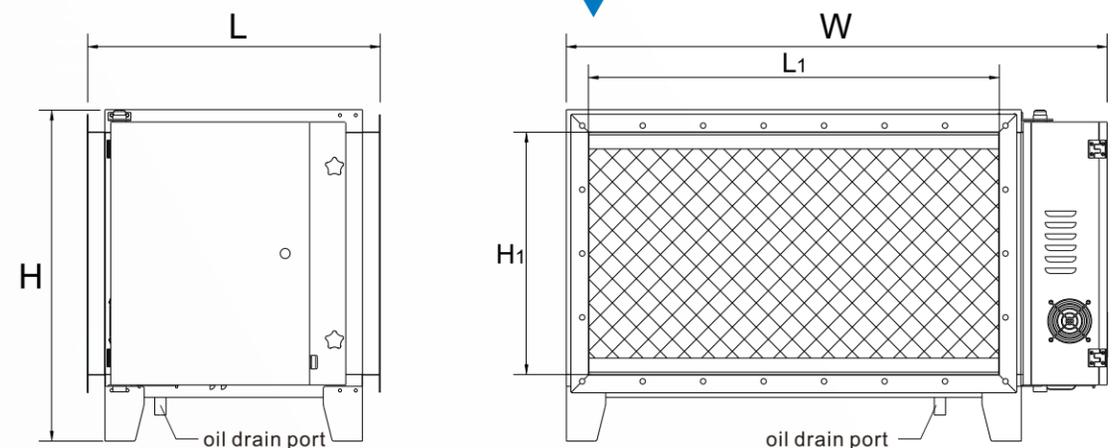
GA Series Oil Fume Purifier

It is suitable for commercial kitchens, restaurants, and restaurants where fumes are common in Cantonese, Jiangsu, and Zhejiang cuisines (mostly stuffy and stewed), and the purification efficiency is $>65\%$.

Oil fume purifier accessories



Schematic Diagram of Installation Dimensions of Oil Fume Purifier



Composite electrostatic oil fume purifier

LFJDW-GB

This purifier is equipped with an electric field of a dual-zone electrostatic air purification system. Under the action of an external high voltage, electrons are released from the surface of or near the metal wire of the negative electrode and move rapidly to the positive electrode, colliding with gas molecules and ionizing. When the oil fume exhaust gas passes through this high-voltage electric field, the oil fume particles will be charged due to the collision and capture of gas ions in a very short time, and will move to the positive dust collecting plate under the action of the electric field force, so as to achieve the separation effect, because it is easy to capture dust with small particle size, high purification efficiency, up to 85%. The difference between its purification mechanism and the gas method is that the separation force is electrostatic force, which acts directly on the particles rather than on the air flow, so it has the characteristics of low energy consumption and small resistance.



LFJDW-GB-4 to 8 LFJDW-GB-10 to 15 LFJDW-GB-20 to 30 LFJDW-GB-40 to 60

Note: The above are standard air volume modules. If you need a larger air volume, you can choose the standard air volume module for combination.

High altitude emission type GB

Model	Air Volume (m³/h)	Dimensions (L*W*H)	Air Inlet and Outlet (L1*H1)	Air Resistance (P)	Power (W)	Weight (kg)
LFJDW-GB-4	4000	650×665×730	375×530	<120	170	45
LFJDW-GB-6	6000	650×760×730	470×530	<120	220	50
LFJDW-GB-8	8000	650×857×730	567×530	<120	300	55
LFJDW-GB-10	10000	650×1140×730	850×530	<120	320	85
LFJDW-GB-12	12000	650×1330×730	1040×530	<120	460	95
LFJDW-GB-15	15000	650×1525×730	1235×530	<120	520	105
LFJDW-GB-20	20000	650×1140×1360	850×1160	<120	660	170
LFJDW-GB-25	25000	650×1330×1360	1040×1160	<120	720	190
LFJDW-GB-30	30000	650×1525×1360	1235×1160	<120	780	210
LFJDW-GB-40	40000	1300×1140×1360	850×1160	<120	950	340
LFJDW-GB-50	50000	1300×1330×1360	1040×1160	<120	1100	380
LFJDW-GB-60	60000	1300×1525×1360	1235×1160	<120	1200	420

Note: The above dimensions are for reference only, and the actual dimensions shall prevail; if there is any change, the contract shall prevail, and special requirements can be customized

LFJDW-GB Series oil fume purifier

LFJDW-GA series oil fume purifiers are oil fume purifiers suitable for high-altitude emissions. It can help the oil fume waste emitted from commercial kitchens. The gas can achieve the effect of high-altitude emission. Suitable for kitchens with public exhaust ducts or high-altitude exhaust conditions. It has, small size, Features such as high purification efficiency, modular production, and modular splicing allow you to freely match the required air volume products. It comes with:

- ★ High voltage constant power supply (multiple protections, stable and efficient);
- ★ Equipped with real-time operating status indicator light, the operating status is clear at a glance;
- ★ High-quality aluminum plate high and low voltage integrated electric field (high and low voltage integrated electric field, discharge electrode plate made of aluminum plate, frame protected by high-strength aluminum plate)

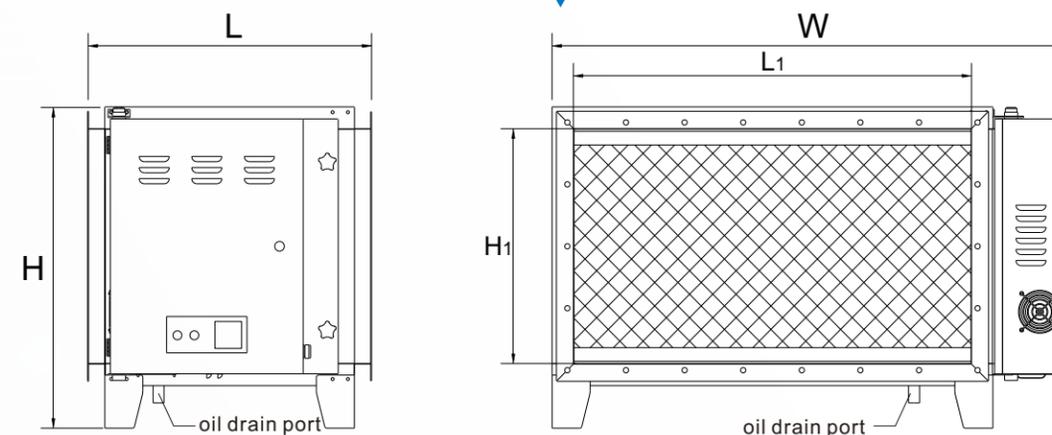
GB Series Oil Fume Purifier

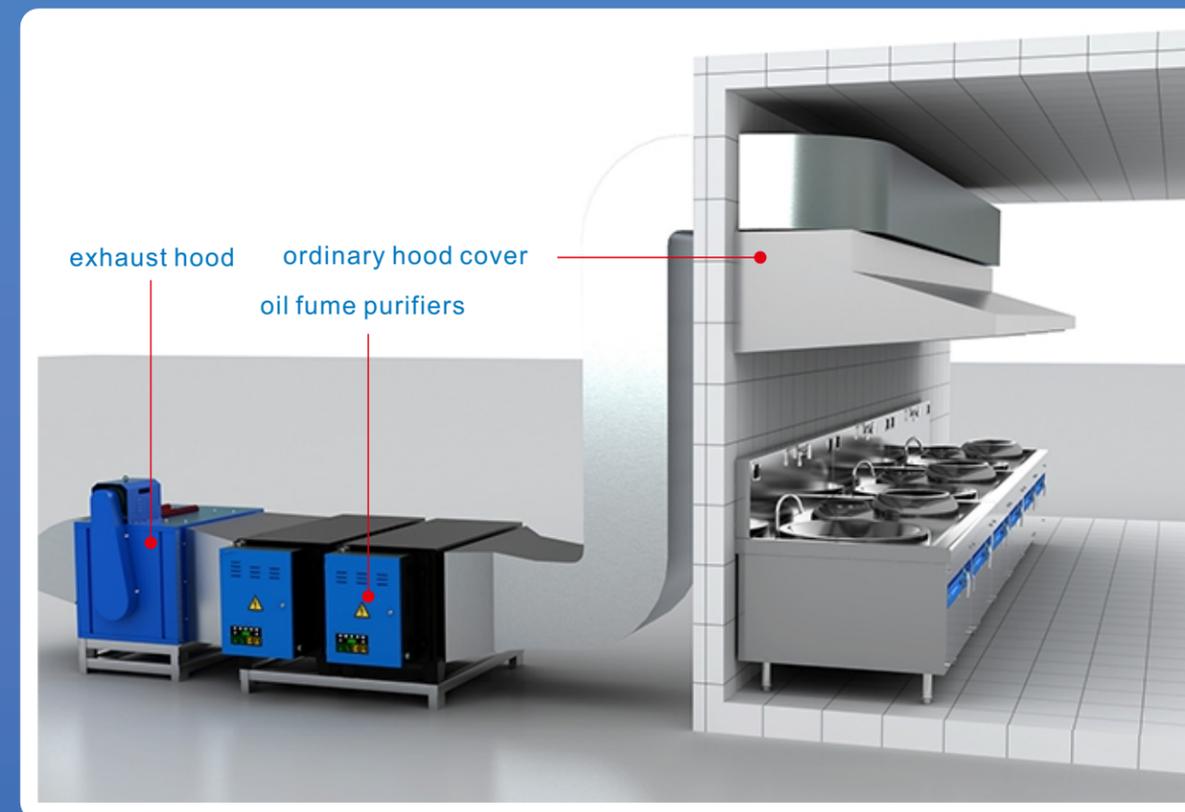
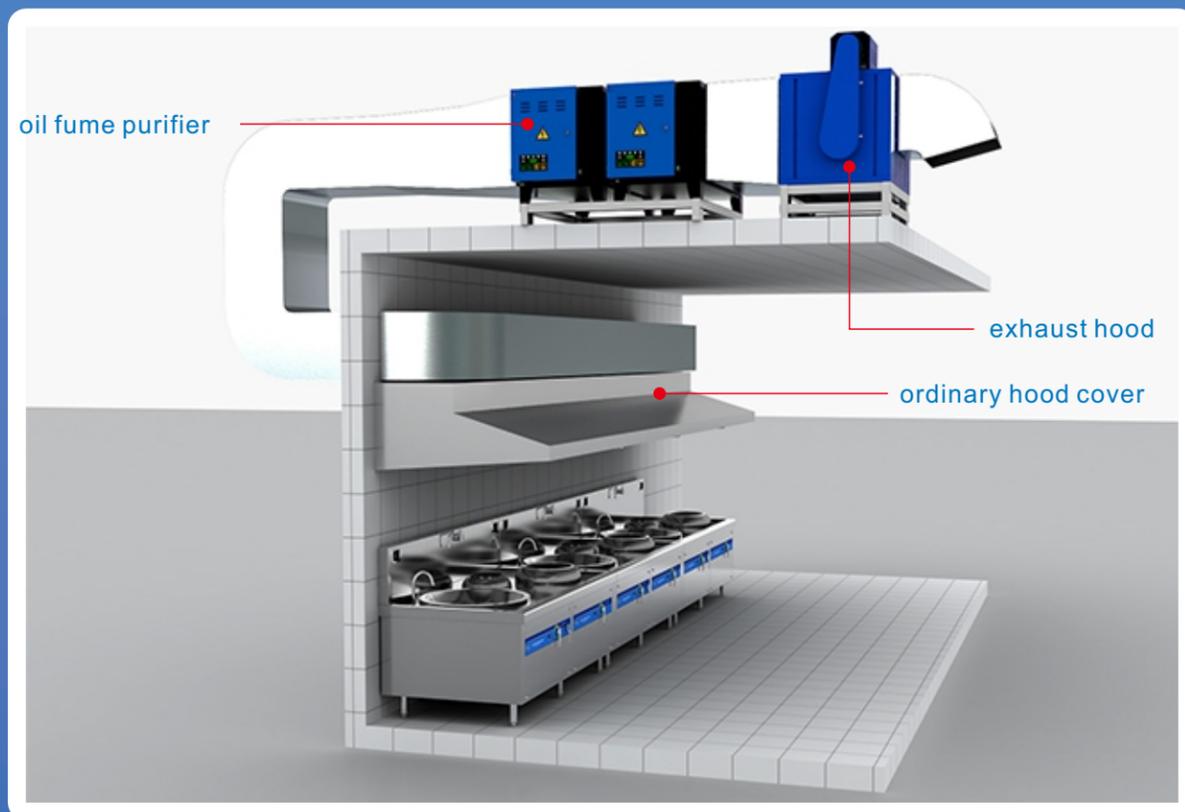
It is suitable for commercial kitchens, restaurants, and restaurants where fumes are common in Cantonese, Jiangsu, and Zhejiang cuisines (mostly stir-frying, stuffing, and stewing). The purification efficiency is >85%.

Oil fume purifier accessories

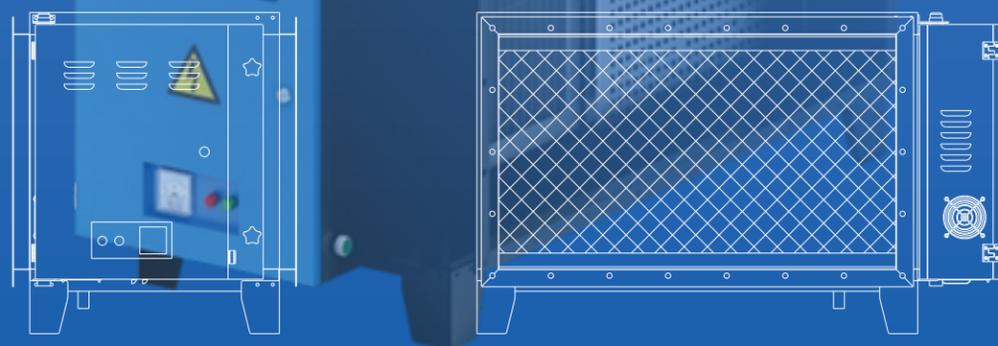


Schematic Diagram of Installation Dimensions of Oil Fume Purifier

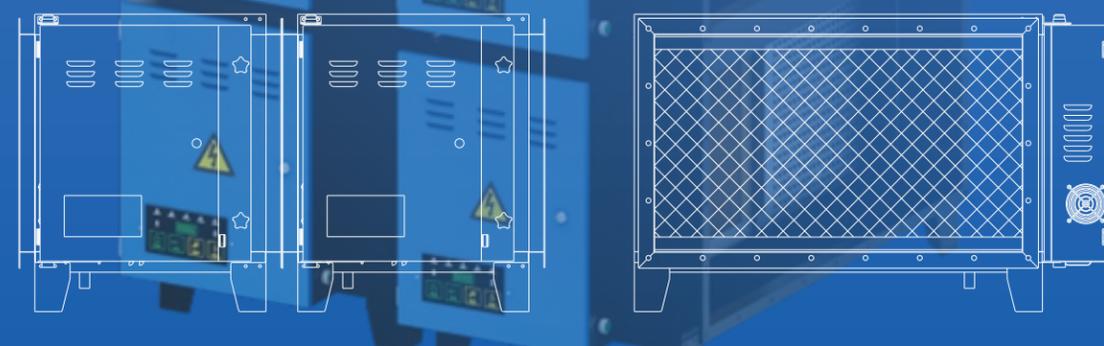




« High altitude emission series



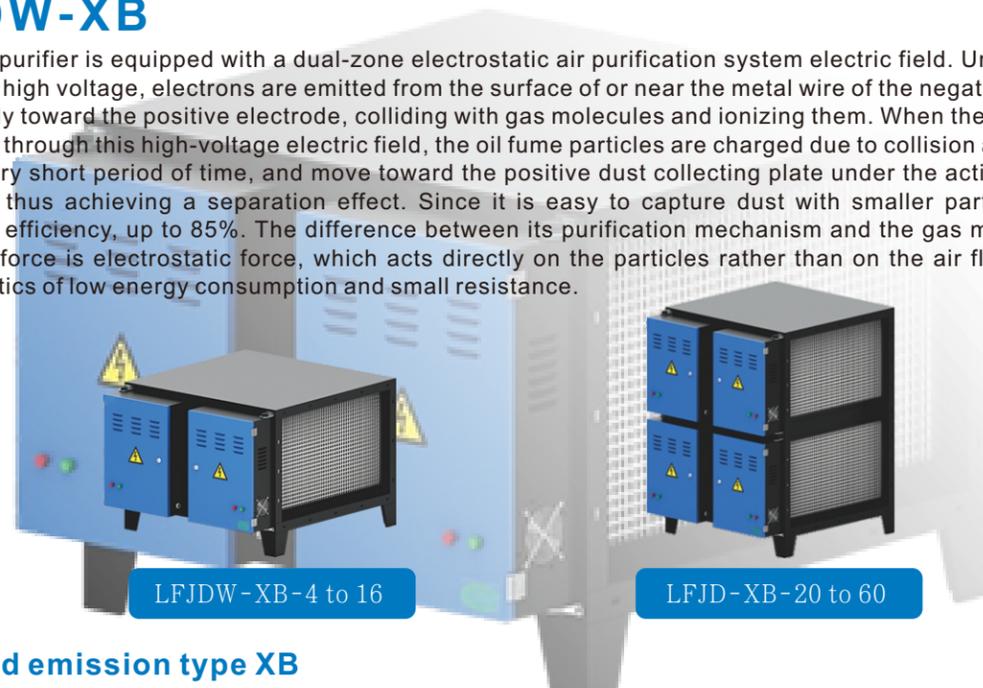
Low altitude emission series »



Composite electrostatic oil fume purifier

LFJDW-XB

This purifier is equipped with a dual-zone electrostatic air purification system electric field. Under the action of an external high voltage, electrons are emitted from the surface of or near the metal wire of the negative electrode and move rapidly toward the positive electrode, colliding with gas molecules and ionizing them. When the oil fume exhaust gas passes through this high-voltage electric field, the oil fume particles are charged due to collision and captured gas ions in a very short period of time, and move toward the positive dust collecting plate under the action of the electric field force, thus achieving a separation effect. Since it is easy to capture dust with smaller particle sizes, high purification efficiency, up to 85%. The difference between its purification mechanism and the gas method is that the separation force is electrostatic force, which acts directly on the particles rather than on the air flow, so it has the characteristics of low energy consumption and small resistance.



All-round emission type XB

Model	Air Volume (m ³ /h)			Dimensions (L*W*H)	Air Inlet and Outlet (L1*H1)	Air Resistance (P)	Power (W)	Weight (kg)
	High altitude	Low altitude	Ultra low altitude					
LFJDW-XB-4	4000	3000	2000	860×645×750	375×530	<150	180	55
LFJDW-XB-6	6000	4000	3000	860×740×750	470×530	<150	200	80
LFJDW-XB-8	8000	5000	4000	860×840×750	570×530	<150	250	120
LFJDW-XB-10	10000	6000	5000	980×1025×750	755×530	<150	300	135
LFJDW-XB-12	12000	8000	6000	980×1120×750	850×530	<150	350	150
LFJDW-XB-16W	18000	12000	8000	980×1505×750	1235×530	<150	380	200
LFJDW-XB-16L	18000	12000	8000	980×840×1360	570×1140	<150	380	200
LFJDW-XB-20	20000	13000	10000	980×1025×1360	755×1140	<150	400	275
LFJDW-XB-24	24000	15000	12000	980×1120×1360	850×1140	<150	450	280
LFJDW-XB-28	30000	18000	14000	980×1310×1360	1040×1140	<150	500	290
LFJDW-XB-30	32000	20000	15000	980×1410×1360	1140×1140	<150	600	315
LFJDW-XB-32	35000	22000	16000	980×1505×1360	1235×1140	<150	700	340
LFJDW-XB-35	40000	25000	18000	980×1600×1360	1330×1140	<150	800	355
LFJDW-XB-40	45000	28000	20000	980×1885×1360	1615×1140	<150	850	420
LFJDW-XB-45	50000	30000	22000	980×2025×1360	1755×1140	<150	900	450
LFJDW-XB-50	55000	32000	26000	980×2175×1360	1905×1140	<150	950	485
LFJDW-XB-60	60000	35000	28000	980×2450×1360	2180×1140	<150	1000	545

LFJDW-XB Series oil fume purifier

LFJDW-XB series oil fume purifiers are oil fume purifiers suitable for low-altitude emissions. It can help commercial kitchens to achieve the effect of visual detection of micro-smoke. Its structure is smaller than that of D series purification products, and it is suitable for chain catering kitchens with low floor height and small space.

house. It has the characteristics of small size, high purification efficiency, modular production, building block splicing, etc., and can freely match the required air volume products.

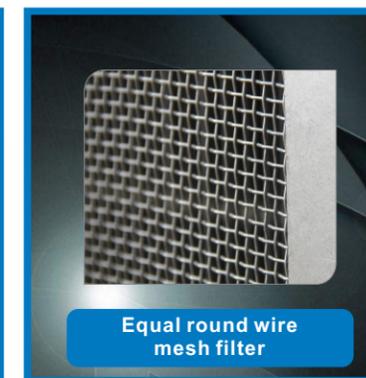
It comes with:

- ★ High voltage constant power supply (multiple protections, stable and efficient);
- ★ Equipped with real-time running status indicators, the running status is clear at a glance;
- ★ High-quality aluminum plate high and low voltage integrated electric field (high and low voltage integrated electric field, made of aluminum plate for discharge plate, protected by high-strength aluminum plate for the frame)

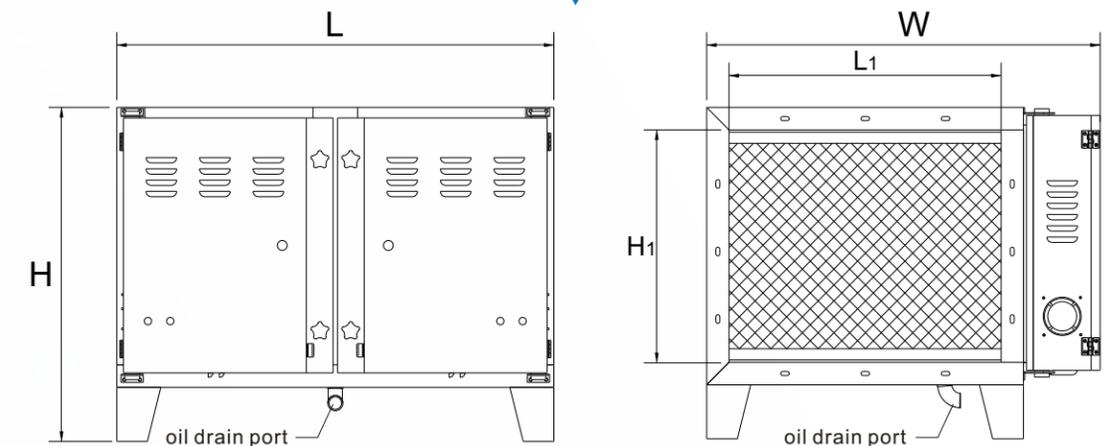
XB series oil fume purifier

It is suitable for various cuisines and various emission situations. The required purification efficiency can be selected and matched from the parameter table. The purification efficiencies of the three emission situations are 85%, 90%, and 95% respectively.

Oil fume purifier accessories



Schematic Diagram of Installation Dimensions of Oil Fume Purifier



Composite electrostatic oil fume purifier

LFJDW-DB

This purifier is equipped with an electric field of a dual-zone electrostatic air purification system. Under the action of an external high voltage, electrons are released from the surface of or near the metal wire of the negative electrode and move rapidly to the positive electrode, colliding with gas molecules and ionizing. When the oil fume exhaust gas passes through this high-voltage electric field, the oil fume particles are charged due to collision and captured gas ions in a very short period of time, and move toward the positive dust collecting plate under the action of the electric field force, thus achieving a separation effect. Since it is easy to capture dust with smaller particle sizes, high purification efficiency, up to 95%. The difference between its purification mechanism and the gas method is that the separation force is electrostatic force, which acts directly on the particles rather than on the air flow, so it has the characteristics of low energy consumption and small resistance.



Note: The above are standard air volume modules. If you need a larger air volume, you can choose the standard air volume module for combination.

Low Altitude Inline Type DB

Model	Air Volume (m³/h)	Dimensions (L*W*H)	Air Inlet and Outlet (L1*H1)	Air Resistance (P)	Power (W)	Weight (kg)
LFJDW-DB-4	4000	1300×1140×730	850×530	<150	450	170
LFJDW-DB-6	6000	1300×1330×730	1040×530	<150	550	190
LFJDW-DB-8	8000	1300×1525×730	1235×530	<150	650	210
LFJDW-DB-10	10000	1300×1140×1360	850×1160	<180	900	340
LFJDW-DB-12	12000	1300×1330×1360	1040×1160	<180	1100	380
LFJDW-DB-15	15000	1300×1525×1360	1235×1160	<180	1300	420
LFJDW-DB-20	20000	1950×1140×1360	850×1160	<200	1400	510
LFJDW-DB-25	25000	1950×1330×1360	1040×1160	<200	1650	570
LFJDW-DB-30	30000	1950×1525×1360	1235×1160	<200	1800	630
LFJDW-DB-40	40000	1950×1140×1990	850×1790	<250	1950	765
LFJDW-DB-50	50000	1950×1330×1990	1040×1790	<250	2200	855
LFJDW-DB-60	60000	1950×1525×1990	1235×1790	<250	2600	945

LFJDW-DB Series oil fume purifier

LFJDW-DB series oil fume purifiers are oil fume purifiers developed by us in pursuit of visual inspection of oil fumes. This kind of oil fume purifier can help the oil fume exhaust gas emitted from commercial kitchens to be visually smoke-free. Especially suitable for no public smoke exhaust pipe or no A kitchen with high-altitude discharge conditions. It has small size, high purification efficiency, modular production, and modular splicing, which can be freely matched to create

Required air volume product. It comes with:

- ★ Intelligent high-voltage constant power supply (intelligent protection, stable and efficient);
- ★ Equipped with real-time display ammeter and operating status indicator light, the operating status and current output are clear at a glance;
- ★ Aviation aluminum plate high and low voltage integrated electric field (high and low voltage integrated electric field, discharge electrode plate made of aluminum plate, frame protected by high-strength aluminum plate)

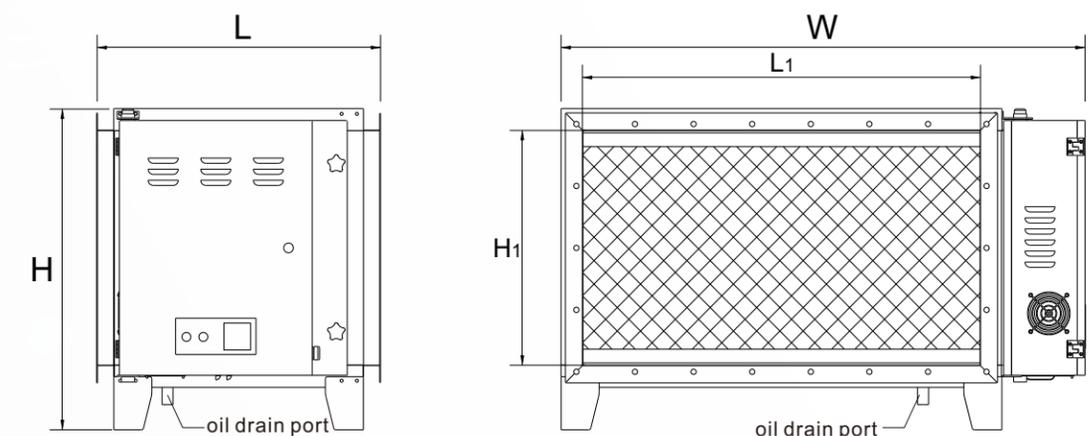
DB series oil fume purifier

Suitable for commercial kitchens, restaurants, restaurants with heavy oil fumes such as Sichuan cuisine, Hunan cuisine, Xinjiang cuisine, etc., with purification efficiency >95%

Oil fume purifier accessories



Schematic Diagram of Installation Dimensions of Oil Fume Purifier



Composite electrostatic oil fume purifier

LFJDW-DZ

This purifier is equipped with a dual -zone electrostatic air purification system electric field. Under the influence of high voltage of the electric field, the metal wire surface of the negative electrode or nearby is quickly moved towards the positive electrode, colliding with gas molecules and ionization. When the oil fume exhaust gas passes through this high -voltage electric field, the oil fume particles are caused by the collision to capture the gas ion in a very short period of time. Due to the influence of the electric field force, the effect of the electrode is to achieve the separation effect. , High purification efficiency can reach 97%. The difference between its purification mechanism and gas method is that the separation force is static electricity, which directly acts on the particles, rather than acting on the airflow, so it has the characteristics of low energy consumption and small resistance.



LFJDW-DZ-4 to 8

LFJDW-DZ-10 to 15

LFJDW-DZ-20 to 30

LFJDW-DZ-40 to 60

Note: The above are standard air volume modules. If you need a larger air volume, you can choose the standard air volume module for combination.

Low Altitude Inline Type DZ

Model	Air Volume (m³/h)	Dimensions (L*W*H)	Air Inlet and Outlet (L1*H1)	Air Resistance (P)	Power (W)	Weight (kg)
LFJDW-DZ-4	4000	1300×1140×730	850×530	<150	480	170
LFJDW-DZ-6	6000	1300×1330×730	1040×530	<150	580	190
LFJDW-DZ-8	8000	1300×1525×730	1235×530	<150	680	210
LFJDW-DZ-10	10000	1300×1140×1360	850×1160	<180	950	340
LFJDW-DZ-12	12000	1300×1330×1360	1040×1160	<180	1200	380
LFJDW-DZ-15	15000	1300×1525×1360	1235×1160	<180	1350	420
LFJDW-DZ-20	20000	1950×1140×1360	850×1160	<200	1450	510
LFJDW-DZ-25	25000	1950×1330×1360	1040×1160	<200	1700	570
LFJDW-DZ-30	30000	1950×1525×1360	1235×1160	<200	1850	630
LFJDW-DZ-40	40000	2600×1140×1990	850×1790	<250	2000	1020
LFJDW-DZ-50	50000	2600×1330×1990	1040×1790	<250	2300	1140
LFJDW-DZ-60	60000	2600×1525×1990	1235×1790	<250	2800	1260

LFJDW-DZ Series oil fume purifier

The LFJDW-DZ series oil fume purifier is a high-end oil fume purifier we enhanced DB-type development. This oil fume purifier can help the oil smoke exhaust gas discharged from the commercial kitchen can achieve the effect of the low -altitude direct feet. It has: high volume, high purification efficiency, modular production, building block stitching, and can freely match the required air volume products. It is equipped:

- ★ Smart high voltage constant power supply (intelligent protection, stable and efficient);
- ★ The liquid crystal screen of the purifier runs (the working state of the power supply is clear at a glance, the circuit failure, the operating voltage instant appear);
- ★ Pure copper polar plate high and low voltage bodies (high and low voltage all -in -one electric fields, pure copper of discharge electrodes, high -strength stainless steel protection of the frame)

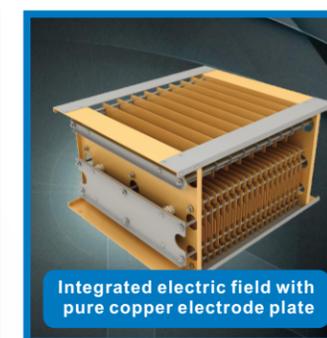
DB series oil fume purifier

Suitable for commercial kitchens, restaurants, restaurants with heavy oil fumes such as Sichuan cuisine, Hunan cuisine, Xinjiang cuisine, etc., with purification efficiency >97%

Oil fume purifier accessories



Intelligent high voltage constant power supply



Integrated electric field with pure copper electrode plate

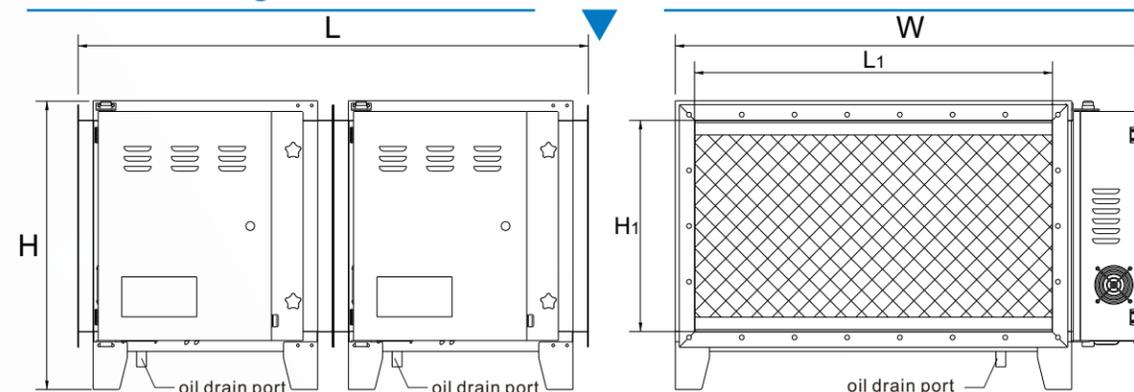


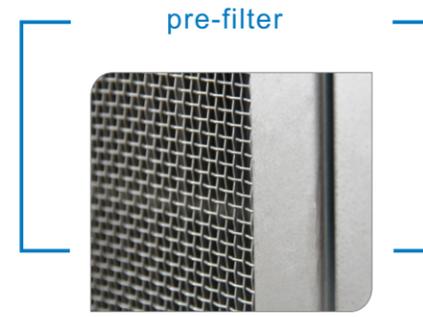
High and low voltage integrated electric field



Work indicator LCD display screen

Schematic Diagram of Installation Dimensions of Oil Fume Purifier

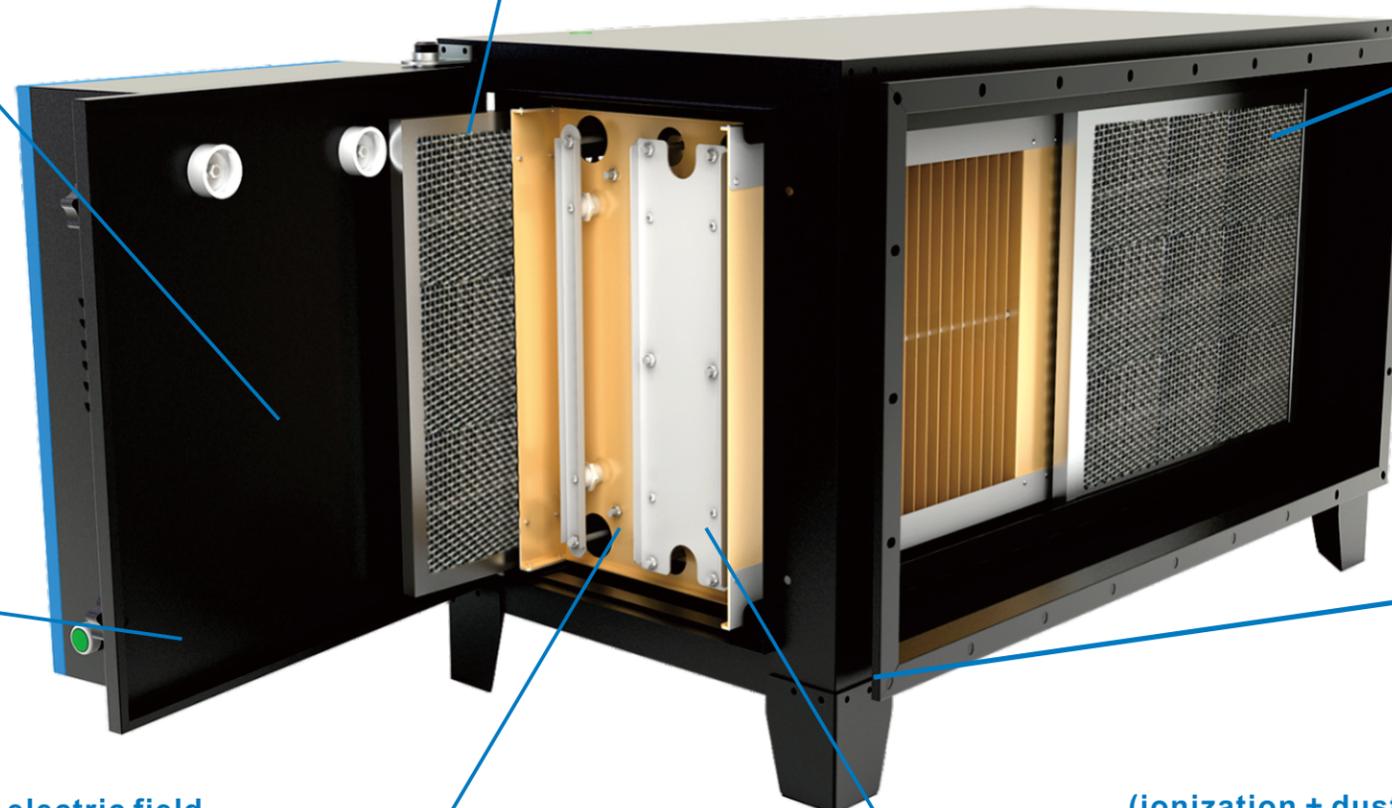




Smart Power



LCD



(ionization + dust collection) electric field

(ionization + dust collection) electric field



Plate gap: 22mm
Galvanized iron plate single zone electric field

Plate laser cutting and forming



Plate gap: 9.5mm
Aviation aluminum plate high and low voltage integrated electric field

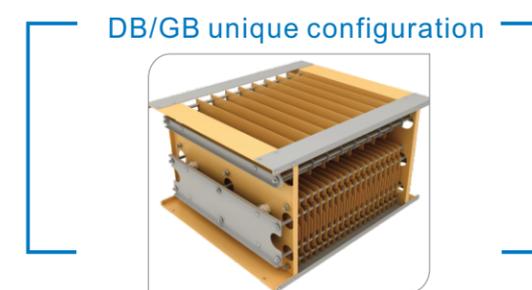


Plate gap: 9.5mm
High and low voltage integrated electric field with pure copper electrode plate

Plate stamping forming

Oil fume purification and deodorization all-in-one machine LF-CYZ



5. UV light reaction purification: UV deodorization treatment, UV lamp tube has two bands of 254nm and 185nm. When the oil fume passes through the UV lamp tube, the 254nm ultraviolet rays cut off the oil molecular chain to form small oil molecules. At the same time, the 185nm ultraviolet rays react with the oxygen in the air to generate ozone, which oxidizes the oil molecules into water, carbon dioxide and a small amount of white powder. The oil in the flue is photolytically oxidized, and most of the peculiar smell in the flue is also removed.

4. High-energy particle electrostatic purification: The principle of electronic electrostatic smoke purification, stainless steel ionizer, ionizes the gas, and the strong electric field charges the particles and becomes charged particles. Aluminum alloy collector, after the charged particles reach the second stage collector, the particles impact the collection electrode and are immediately adsorbed by the collection electrode, and more than 90% of the pollutants are filtered out. Can effectively collect particles larger than 0.1 microns.

3. Purification with dynamic separation disc: the principle of dynamic shielding, to deal with large oil particles again. There is a gap on the shield itself. Under high-speed rotation, the oil fume particles will pass through the gap due to the negative pressure generated by the external fan behind the network disk. Intercepted and recovered by the centrifugal force of the shield.

2. Filtration and purification with metal structure: The metal filter device adopts numerical control technology, adopts the principle of gravity and collision, separates impurities and grease, and spreads the air evenly, so that the electrostatic purification of the

1. Condensation and collision purification: the principle of condensation and collision can remove large particles of oil fume. The gaseous pollutants have different saturated vapor pressures at different temperatures and pressures. When the temperature is lowered or the pressure is increased, certain pollutants condense out to achieve 60% purification and recovery of oil particles above 5 microns.

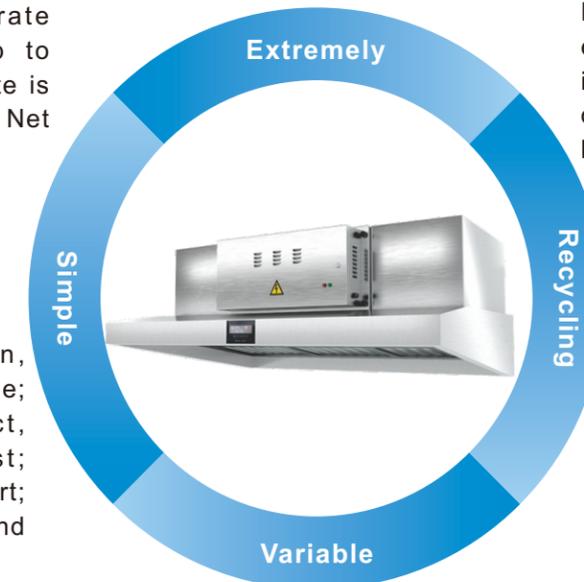
Technical Parameters

Model	Exhaust air volume (m³/h)	Dimensions (L*W*H)	Air inlet and outlet (L1*H1)	Wind resistance (P)	Power (W)
LF-CYZ-1800	≥3500	1800×1300×1000	400×400	<120	1250
LF-CYZ-2000	≥4500	2000×1300×1000	400×400	<120	1900
LF-CYZ-2400	≥4500	2400×1300×1000	400×400	<120	1900

LF-CYZ Series oil fume purification and deodorization all-in-one machine

Extremely: Purification rate 98%, direct discharge up to standard The net smoke rate is 90%, visually smoke-free Net odor rate 60%, no nose

Simple: Modular design, flexible configuration Simple; semi-assembled product, transportation Low cost; touch panel, one key Start; easy and fast cleaning and maintenance.

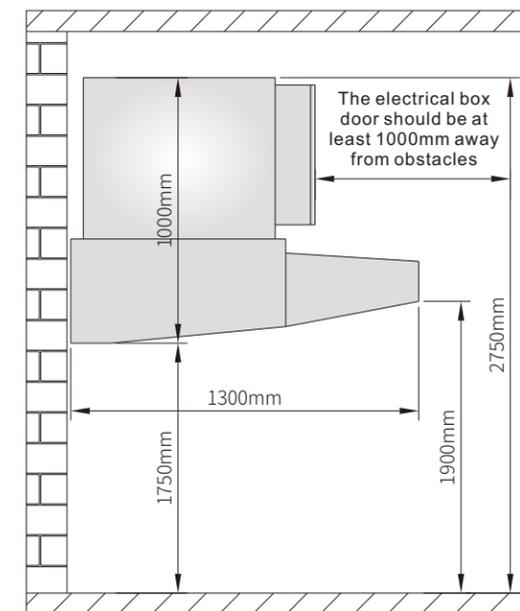


Recycling: fire prevention, energy saving, turning waste into treasure, recycled waste oil can be made into biodiesel

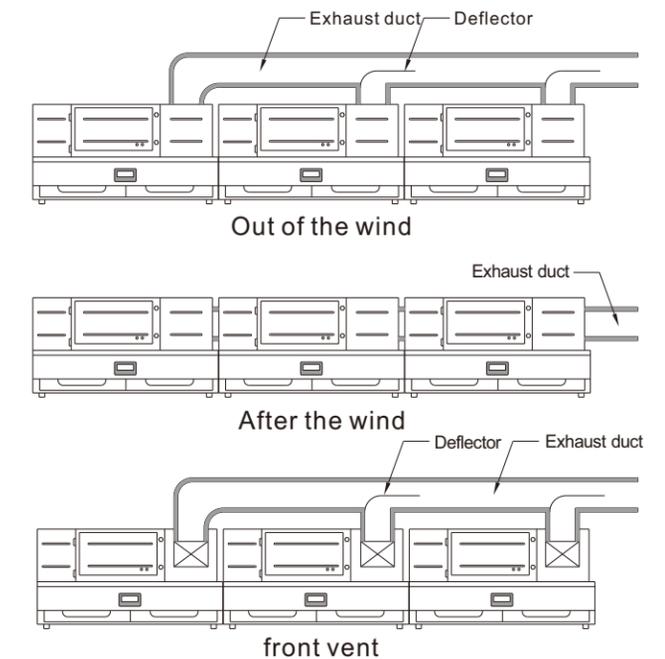
Variable: the direction of the air outlet can be adjusted, and the adjustable directions are: front right, upper right, rear right

Scope of application

It is suitable for direct fume emission situations in commercial kitchens, restaurants and restaurants with heavy fumes such as Sichuan cuisine, Hunan cuisine, and Xinjiang cuisine.



All-in-one machine side view and installation diagram



Schematic diagram of installation of multiple all-in-one machines

When installing multiple units, a deflector must be installed

Fume dynamic shielding all-in-one machine

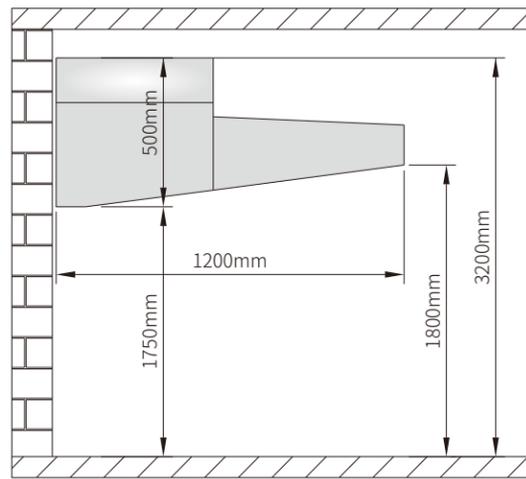
LF-DYZ



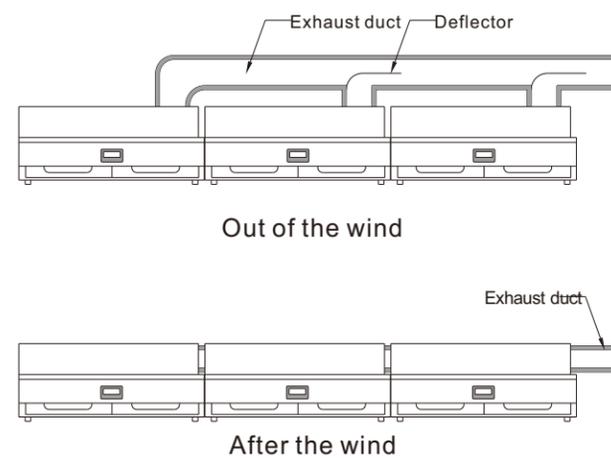
1. Condensation collision purification: The principle of condensation collision removes large particles of oil smoke. The gaseous pollutants have different saturated vapor pressures at different temperatures and pressures. When the temperature is lowered or the pressure is increased, certain pollutants condense out to achieve 60% purification and recovery of oil particles above 5 microns.

2. Metal structure filtration and purification: The metal filter device adopts CNC technology, uses gravity and collision principles to separate impurities and grease, and distributes air uniformly, so that the lower-level electrostatic purification can achieve full purification.

3. Dynamic separation disk purification: dynamic shielding principle, processing large oil particles again. There is a gap on the shield itself. Under high-speed rotation, the oil fume particles will pass through the gap due to the negative pressure generated by the external fan behind the network disk. When passing through the gap, due to the high speed of the network disk, large particles will not have time to pass through. Intercepted and recovered by the centrifugal force of the shield.



All-in-one machine side view and installation diagram



Schematic diagram of installation of multiple all-in-one machines

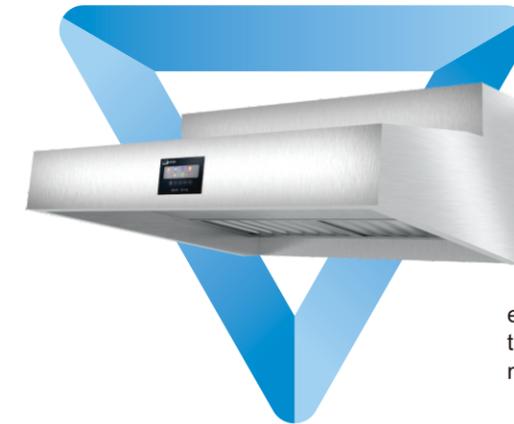
When installing multiple units, a deflector must be installed

Technical Parameters

Model	Exhaust air volume (m³/h)	Dimensions (L*W*H)	Air inlet and outlet (L*H1)	Wind resistance (P)	Power (W)
LF-DYZ-1500	≥3500	1500×1200×500	400×400	<120	445
LF-DYZ-2000	≥4500	2000×1200×500	400×400	<120	545
LF-DYZ-2200	≥4500	2200×1200×500	400×400	<120	545

LF-DYZ series oil fume dynamic shielding all-in-one machine

Simple: Modular design, equipped with Flexible and easy to install; semi-assembled product, shipping cost Low; touch panel, one key to start; cleaning and maintenance methods Convenient and quick



Change: The direction of the air outlet can be adjusted. The adjustable directions are: upper right, rear right

Recycling: fire prevention, energy saving, turning waste into treasure, recycled waste oil can be made into biodiesel

The net oil rate is 70%, used with purifier products It can reach more than 90%.

Scope of application

It is suitable for commercial kitchens, restaurants, soup stoves and stir-fry stoves in restaurants where there is general oil fume, such as medium and light oilseed vegetables, etc., where oil fumes are emitted at high altitudes.



DYZ dynamic shielding all-in-one machine



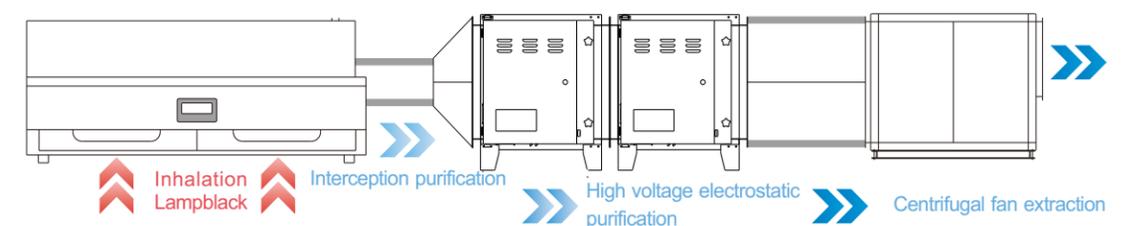
DZ high-efficiency oil fume purifier



Ultra quiet cabinet centrifugal fan

DYZ Oil Smoke Dynamic Shielding Integrated Machine	DZ high-efficiency oil fume purifier	Cabinet centrifugal fan (rear tilt inner suspension)
LF-DYZ-1500×1	LFJDW-DZ-4000×1	LFHQ-G (15"-1.5kW) ×1
LF-DYZ-2000×1	LFJDW-DZ-6000×1	LFHQ-G (15"-2.2kW) ×1
LF-DYZ-2200×1	LFJDW-DZ-8000×1	LFHQ-G (15"-3kW) ×1

System diagram



SERVICE

We always adhere to the tenet of "customer first, quality first", and rely on our perfect after-sales service outlets to solve problems for customers anytime and anywhere.



Analysis and troubleshooting of common purifier faults

Professional after-sale service

We will provide customers with technical analysis and most suitable model recommendations based on their different requirements; when standard models cannot meet customer needs, we will provide customers with customized services.

After-sales service policy

This policy is hereby formulated in order to maximize the protection of the legitimate rights and interests of customers, unify the interests of customers and the interests of the enterprise, and adjust and improve in a timely manner in response to customer feedback.

For all main equipment supplied and installed by us, we provide free maintenance and repair services for one year. During the warranty period, if it is damaged due to normal conditions, we will repair or replace the damaged components free of charge. After the warranty period expires, if the user still needs us to provide equipment maintenance services, the user can choose to renew the warranty; if it is damaged due to normal conditions, we will repair or replace the damaged components for free.

Strict product production, quality and delivery control

We always treat customers' orders with a prudent, professional and meticulous attitude, and fully guarantee the good execution of order processing, quality control and goods transportation.

After-sales service commitment

We will adhere to the service tenet of "quality first, lifelong service", continue to control product quality and after-sales service, and provide customers with professional and complete solutions. We have a group of skilled and experienced after-sales technicians, and have established an after-sales management system that includes complete and detailed user service files and computer management.

1. During the equipment installation process, we will guide the operator free of charge until the operator is familiar with the operation method, maintenance skills and basic maintenance skills.

2. Within three months of the warranty period, we will arrange professionals to carry out regular maintenance and repairs on the equipment to solve potential hidden dangers and better serve users.

3. Provide a 1-year free warranty period (the electrical part is implemented in accordance with national standards)

4. In Chinese provinces and cities, after receiving the after-sales demand from users, the after-sales service personnel will arrive at the scene (in the city) within 24 hours, and arrive at the scene (outside the city) within 48 hours

5. Users need to truthfully fill in the content in the after-sales service feedback form provided by us, such as whether your after-sales problem has been solved? We look forward to your real feedback and help us to supervise the service of after-sales personnel; to realize the service concept of "being anxious about what users are anxious about and thinking about what users think".

6. After the warranty period is exceeded, we will provide you with paid after-sales service according to the cost of personnel and accessories.

7. Other products we provide are equipped with service agencies, maintenance outlets and a sound after-sales service management system, and we can solve after-sales problems for users together with us.

Reliable after-sales support

When users use our products, we will provide comprehensive support from technical consultation, spare parts supply to maintenance services.

We are committed to providing users with better product quality and better service!

Serial number	Symptoms	Cause of issue	Method of exclusion
1	The green and red lights are not on when the power is turned on.	The power is not connected	Check and update the power supply.
		Faulty high voltage generator	Replace the high voltage generator
		The interlock switch is broken	Replace the interlock switch
2	The red light is always on when powering on	The electric field is open	Check whether the electric field is installed backwards
			Check whether the power-on ejector pin and contact are installed incorrectly
			Check whether the high voltage insulator is conductive
		Electric field short circuit	Check whether the electric field plate is deformed
3	Frequent "popping" discharge sounds	Foreign objects in the electric field collection area	Take out the electric field and clean the foreign objects
			Find out the deformation and correct it
		Excessive deposits on the electrode plate	Clean the electric field
		Poor high voltage contact	Reinstall the electric field and contacts
4	The oil cannot be drained out in time	The oil drain pipe is blocked	Clear the oil drain pipe
		Drain pipe outlet sucks in air	Place outlet in liquid to counteract air pressure differential
			Oil pick-up and discharge pipeline as oil seal
5	The concentration of smoke emitted from the air outlet is abnormal	The electric field is not working properly	Adjust the electric field product and high-voltage power supply
		There is a lot of oil in the electric field	Clean the electric field
6	The purification effect is not good	The gate or throttle valve in the pipeline is not opened	Open the valve or throttle valve
		There is debris inside the machine	Open the device door and clean out the debris
		Wind speed is too fast	Wind speed measurement
		Equipment selection does not match	Re-select equipment with large air volume