SCOPE OF APPLICATION

A large amount of smoke will be generated during the following operations and the particles in the smoke and harmful gases will cause great harm to the operator and the environment.

FUME EXTRACTOR

PRODUCT BROCHURE

Contains the most comprehensive and high-quality smoke purifier

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Fume Extractor
Product introduction

Product overview

Welding will produce various components and concentrations of smoke during operation. For different types and concentrations of smoke, smoke purifiers with different power and different filter components need to be used respectively

The configuration standard of single arm smoke purifier or one support multi station purifier with high efficiency, high cost performance, low noise and low energy consumption has won the unanimous praise of many customers in the market, and the performance is better than the common purifier products in the market.

Fume Extractor
Application scenario

FES030
Fume Extractor

Flange Seat
Shunt design

Buckle
Alloy rivet fixed,
strong wear resistance

Spin Button
Easy to operate

FLOW +/-

Power switch

Bamboo Duct
Free to change direction
Dimensions : 3.2*3.2*48(cm)
Weight : 0.5kg

Smoking hood
High temperature
resistant softsilicone
Dimensions : 10*10*13(cm)
Weight : 0.09kg

Fixed Wheel
Ultra quiet mobile

Smoking apparatus
Machine Introduction

Model	Port	Power
FES030	Φ50mm	30W
Noise	**Filtering Efficiency**	**Vac**
<50dB	0.3μm 99.97%	AC220V/AC110V
Air Velocity	**Dimensions(mm)**	**Weight (No Smoking Arm)**
138m³/h	L172×W172×H110	1.61kg

Effective Purification

1 First floor

Pre filter
Dust, debris and other large particles(PM60)

2 Second floor

Main filter
Fine particles such as dust and asbestos, and Adsorption of tar and other substances(≥0.3μm)

FES050
Fume Extractor

Pipe
Free to change direction
Dimensions : 4*4*70(cm)

Smoking hood
High temperature resistant softsilicone

Flange Seat
Shunt design

Buckle
Alloy rivet fixed, strong wear resistance

Spin Button
Easy to operate

Fixed Wheel
Ultra quiet mobile

Smoking apparatus
Machine Introduction

Model FES050	Port Φ40mm	Power 50W
Noise <50dB	Filtering Efficiency 0.3μm 99.7%	Vac DC24V
Air Velocity 168m³/h	Dimensions(mm) L190*W190*H210	Weight (No Smoking Arm) 3.1kg

Effective Purification

1 First floor

Primary Filter Cotton
Effectively prevents large particles from entering the next level filter element system, reduces the risk of clogging, and is easy to replace.

2 Second floor

High efficiency Filter Element
Can effectively adsorb odors generated by various working conditions.
The built - in filter element can filter out tiny particles that cannot be completely adsorbed by the previous level.

FES60S
Fume Extractor

Smoking apparatus
Machine Introduction

Model	Port	Power
FES60S	Φ50mm	60W
Noise	**Filtering Efficiency**	**Vac**
<62dB	0.3μm 99.7%	DC24V
Air Velocity	**Dimensions(mm)**	**Weight (No Smoking Arm)**
180m³/h	L280*W160*H208	4kg

Effective Purification

1 First floor

Primary Filter Cotton
Effectively prevents large particles from entering the next level filter element system, reduces the risk of clogging, and is easy to replace.

2 Second floor

Main filter
Fine particles such as dust and asbestos, and Adsorption of tar and other substances(≥0.3μm)

FES060
Fume Extractor

Flange Seat
Shunt design

Buckle
Alloy rivet fixed,
strong wear resistance

Power switch

Bamboo Duct
Free to change direction
Dimensions : 5*5*75(cm)
Weight : 0.7kg

Smoking hood
High temperature
resistant softsilicone
Dimensions : 10*10*13(cm)
Weight : 0.09kg

Fixed Wheel
Ultra quiet mobile

Smoking apparatus
Machine Introduction

Model	Port	Power
FES060	Φ50mm	60W
Noise	**Filtering Efficiency**	**Vac**
<52dB	0.3μm 99.7%	AC220V/AC110V
Air Velocity	**Dimensions(mm)**	**Weight (No Smoking Arm)**
160m³/h	L185×W185×H300	4.3kg

Effective Purification

1 First floor

Pre filter
Dust, debris and other large particles(PM60)

2 Second floor

Main filter
Fine particles such as dust and asbestos, and Adsorption of tar and other substances(≥0.3μm)

FES80
Fume Extractor

Bamboo Duct
Free to change direction
Dimensions : 5*5*75(cm)
Weight : 0.7kg

Flange Seat
Shunt design

Smoking hood
High temperature resistant softsilicone
Dimensions : 10*10*13(cm)
Weight : 0.09kg

Buckle
Alloy rivet fixed, strong wear resistance

Spin Button
Easy to operate

Fixed Wheel
Ultra quiet mobile

Smoking apparatus
Machine Introduction

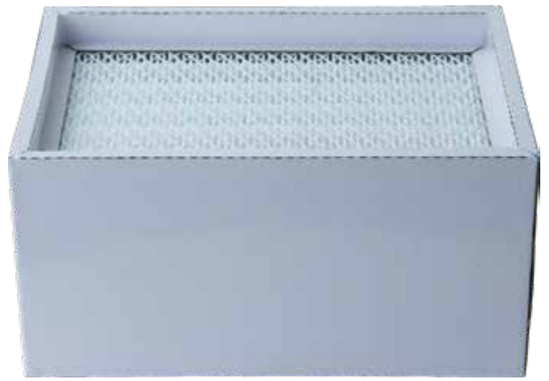
Model FES80	Port Φ50mm	Power 80W
Noise <50dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 160m³/h	Dimensions(mm) L286×W115×H275	Weight (No Smoking Arm) 6.55kg

Effective Purification

1 First floor

Pre filter
Dust, debris and other large particles(PM60)

2 Second floor



Main filter
Fine particles such as dust and asbestos, and Adsorption of tar and other substances(≥0.3μm)

FES085
Fume Extractor

Flange Seat
Shunt design

Carry handle
Easy to carry,
easy to take

Buckle
Alloy rivet fixed,
strong wear resistance

Spin Button
Easy to operate

FLOW +/-

Power switch

Bamboo Duct
Free to change direction
Dimensions : 5*5*120(cm)
Weight : 0.9kg

Smoking hood
High temperature
resistant softsilicone
Dimensions : 10*10*13(cm)
Weight : 0.09kg

Fixed Wheel
Ultra quiet mobile

Smoking apparatus
Machine Introduction

Model FES085	Port Φ50mm	Power 85W
Noise <50dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 200m³/h	Dimensions(mm) L230×W230×H370	Weight (No Smoking Arm) 9.2kg

Effective Purification

Efficient filtering bucket

The filter element is made of PTFE coated materi-al, a new type of smoke and dust capture filter element. Compared with ordinary filter cartridges, it has better wear resistance and higher filtration accuracy. It can provide higher filtration speed than traditional filter cartridges, and the dust removal effect can reach 99.9%. The filter cartridge can be cleaned and reused repeatedly (up to 6-8 months depending on the usage scenario)

FES150S
Fume Extractor

Flange Seat
Shunt design

Carry handle
Easy to carry,
easy to take

Buckle
Alloy rivet fixed,
strong wear resistance

Spin Button
Easy to operate

Bamboo Duct
Free to change direction
Dimensions : 3.2*3.2*70(cm)
Weight : 0.8kg

Smoking hood
High temperature
resistant softsilicone
Dimensions : 10*10*13(cm)
Weight : 0.09kg

Fixed Wheel
Ultra quiet mobile

Smoking apparatus
Machine Introduction

Model FES150S	Port Φ75mm Flange	Power 100W
Noise <55dB	Filtering Efficiency 0.3μm 95.00%	Vac AC220V/AC110V
Air Velocity 200m³/h	Dimensions(mm) L268×W222×H174	Weight (No Smoking Arm) 7.6kg

Effective Purification

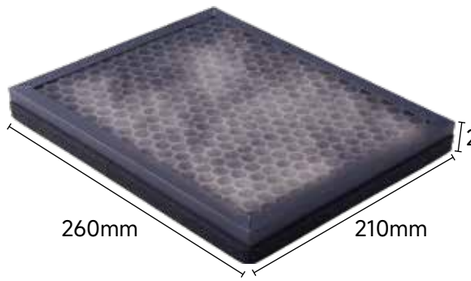
1 First floor

Pre-filter cotton
Filter smoke and large particles,
PM50

HEPA filter
Flter micron, particles and oil
fume

(Front)

2 Second floor



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Activated carbon filter
Absorb toxic and harmful gases

FES150&FES150D
Fume Extractor

FES150

FES150D

	FES150	FES150D
INPUT VOLTAGE	AC 110V/220V	AC 110V/220V
POWER	150W	150W
PORT DIAMETER	Φ75	Φ75
AIR FLOW	258m³/h	258m³/h
FILTER LAYERS	3 Layers	3 Layers
NOISE	50-60dB	50-60dB
PIPE LENGTH	1.2m	1.2m
FILTRATION EFFCIENCY	>0.3μm 99.97%	>0.3μm 99.97%
DISPLAY MODE	**Knob Indication**	**Led Display**
DIMENIONS	280*240*315mm	280*240*315mm
NET WEIGHT	13kg	13kg

Effective Purification

1st Layer
Pre-Filter Contton

Filtration : Large Particles (PM60)
Replacement Cycle : 10-60 days
Dimensions : 22.5*17.5*0.8 (cm)
Weight : 0.03 (kg)

2nd Layer
Middle Filter

Filtration : Dust, Soot and Tar (>=0.3μm)
Replacement Cycle : 2-7 Months
Dimensions : 22.5*17.5*3.5 (cm)
Weight : 0.25 (kg)

3rd Layer
Main Filter

Filtration : Smoke and Harmful gas (Odar Removal)
Replacement Cycle : 3-7 Months
Dimensions : 24*20*18 (cm)
Weight : 1.5 (kg)

The primary, medium and main filter elements can be replaced separately, which prolongs the service life and reduces the use cost.

FES200&FED200
Fume Extractor

FES200

FED200

	FES200	FED200
PORT	Φ75mm Flange	Φ75mm * 2Flange
VAC	AC220V/AC110V	AC220V/AC110V
POWER	210W	210W
FILTERING EFFICIENCY	0.3μm99.97%	0.3μm99.97%
NOISE	< 50dB	< 50dB
LENGTH OF DUCT	Φ75mm*L1.4M	Φ75mm*L1.4M
AIR VOLUME	310m³/h	2*155m³/h
DIMENSIONS(MM)	W425*T250*H410	W425*T250*H410
COLOUR	White or Grey / Nozzle	White or Grey / Nozzle
BAMBOO DUCT	41*41*10(cm)	41*41*10(cm)
WEIGHT(NO SMOKING ARM)	16kg	18kg

Effective Purification

1st Layer
Pre-Filter Contton

Filtration : Large Particles (PM60)
Replacement Cycle : 10-60 days
Dimensions : 35.5*19*0.8 (cm)
Weight : 0.03 (kg)

2nd Layer
Middle Filter

Filtration : Dust, Soot and Tar (>=0.3μm)
Replacement Cycle : 2-7 Months
Dimensions : 35.5*17.5*5.8 (cm)
Weight : 0.5 (kg)

3rd Layer
Main Filter

Filtration : Smoke and Harmful gas (Odar Removal)
Replacement Cycle : 3-7 Months
Dimensions : 38.5*19.5*24.5 (cm)
Weight : 3.1 (kg)

The primary, medium and main filter elements can be replaced separately, which prolongs the service life and reduces the use cost.

FES200L
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES200L	Port Φ75mm	Power 210W
Noise <50dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 310m³/h	Dimensions(mm) L425×W250×H410	Weight (No Smoking Arm) 16kg

Effective Purification

1st Layer
Pre-Filter Contton

Filtration : Large Particles (PM60)
Replacement Cycle : 10-60 days
Dimensions : 35.5*19*0.8 (cm)
Weight : 0.03 (kg)

2nd Layer
Middle Filter

Filtration : Dust, Soot and Tar (>=0.3μm)
Replacement Cycle : 2-7 Months
Dimensions : 35.5*17.5*5.8 (cm)
Weight : 0.5 (kg)

3rd Layer
Main Filter

Filtration : Smoke and Harmful gas (Odar Removal)
Replacement Cycle : 3-7 Months
Dimensions : 38.5*19.5*24.5 (cm)
Weight : 3.1 (kg)

The primary, medium and main filter elements can be replaced separately, which prolongs the service life and reduces the use cost.

FES200K
Fume Extractor

Smoking apparatus
Machine Introduction

Model	Port	Power	Filter Layers
FES200K	Φ75mm	200W	3
Noise	**Filtering Efficiency**	**Vac**	**Bamboo Pipe**
<60dB	0.3μm 99.99%	AC220V/AC110V	1.4M
Air Velocity	**Dimensions(mm)**	**Weight (No Smoking Arm)**	**Max Negativepressure**
320m³/h	L429×W258×H492	16kg	2200pa

Effective Purification

1st Layer
Pre-Filter Contton
Filtration : Large Particles (PM60)
Replacement Cycle : 10-60 days
Dimensions : 35.5*19*0.8 (cm)
Weight : 0.03 (kg)

2nd Layer
Middle Filter
Filtration : Dust, Soot and Tar (>=0.3μm)
Replacement Cycle : 2-7 Months
Dimensions : 35.5*17.5*5.8 (cm)
Weight : 0.5 (kg)

3rd Layer
Main Filter
Filtration : Smoke and Harmful gas (Odar Removal)
Replacement Cycle : 3-7 Months
Dimensions : 38.5*19.5*24.5 (cm)
Weight : 3.1 (kg)

The primary, medium and main filter elements can be replaced separately, which prolongs the service life and reduces the use cost.

FES220
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES220	Port Φ75mm	Power 220W
Noise <60dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 400m³/h	Dimensions(mm) L400×W310×H510	Weight (No Smoking Arm) 26kg

Effective Purification

Washable Filter Cotton
Honeycomb open hole design, with good filtration and mechanical structure.
can be used repeatedly after washing and drying

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency:
> 0.3 um,99.97%-99.99%.

High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

FES220F
Component Lead Collector

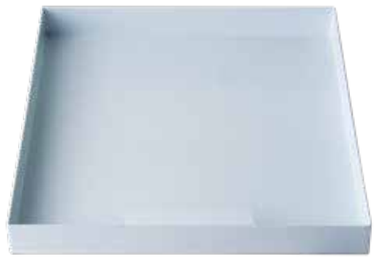
Component Lead Collector
Machine Introduction

Model	Port	Power	Filter Layers
FES220F	Φ10mm	220W	1
Noise	**Filtering Efficiency**	**Vac**	**Bamboo Pipe**
<65dB	0.3μm 99.99%	AC220V/AC110V	1.5-2M
Air Velocity	**Dimensions(mm)**	**Weight (No Smoking Arm)**	**Max Negativepressure**
48m^3/h	L270×W270×H530	≈16.1kg	9000pa

Collection of Selected Footnotes

Canister filter

Waste parts and material scraps resulting from the trimming process are drawn into the machine by high suction and trapped by the filter canister.



Collection box

Residual material blocked by the filter drum falls into the collection box, facilitating subsequent waste disposal or recycling.

The primary, medium and main filter elements can be replaced separately, which prolongs the service life and reduces the use cost.

FES300K
Fume Extractor

Smoking apparatus
Machine Introduction

Model	Port	Power	Filter Layers
FES300K	Φ75mm	300W	3
Noise	**Filtering Efficiency**	**Vac**	**Bamboo Pipe**
<60dB	0.3μm 99.97%	AC220V/AC110V	1.4M
Air Velocity	**Dimensions(mm)**	**Weight (No Smoking Arm)**	**Max Negativepressure**
410m³/h	L430×W250×H457	16kg	2200pa

Effective Purification

1st Layer
Pre-Filter Contton
Filtration : Large Particles (PM60)
Replacement Cycle : 10-60 days
Dimensions : 35.5*19*0.8 (cm)
Weight : 0.03 (kg)

2nd Layer
Middle Filter
Filtration : Dust, Soot and Tar (>=0.3μm)
Replacement Cycle : 2-7 Months
Dimensions : 35.5*17.5*5.8 (cm)
Weight : 0.5 (kg)

3rd Layer
Main Filter
Filtration : Smoke and Harmful gas
(Odar Removal)
Replacement Cycle : 3-7 Months
Dimensions : 38.5*19.5*24.5 (cm)
Weight : 3.1 (kg)

The primary, medium and main filter elements can be replaced separately, which prolongs the service life and reduces the use cost.

FES350&FED350
Fume Extractor

FED350 FES350

Smoking apparatus
Machine Introduction

Model FES350/FED350	Port Φ75mm	Power 350W
Noise <55dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity FES350: 410m³/h FED350: 205m³/h*2	Dimensions(mm) L410×W260×H450	Weight (No Smoking Arm) 20kg

Effective Purification

Pre-filter cotton
Thicken fiber material, laser cutting and die-casting process, smooth and high filtering accuracy on the outside.

Medium filter
Filter the vast majority of small particulate matter, to reduce the burden of highefficiency filter, prolong the service life.

Medium active carbon
Filter the small particles that can not beabsorbed by the upper level,and effectively absorb all kinds ofodors produced in the work.

High efficiency filter
High iodine value activated carbon,adsorption of various odors andtoxic and harmful gases andvolatile organic compoundsPrevent secondary pollution.

FES350pro
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES350pro	Port Φ50mm / 75mm	Power 350W
Noise <60dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 460m³/h	Dimensions(mm) L400×W300×H560	Weight (No Smoking Arm) 30kg

Effective Purification

Washable Filter Cotton
Honeycomb open hole design, with good filtration and mechanical structure.
can be used repeatedly after washing and drying

Oil Absorption Grid Filter
Efficientlyintercepts oil and impurities, improving filtering effect

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency:
> 0.3 um,99.97%-99.99%.

High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

FES350F
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES350F	Port Φ75mm	Power 350W
Noise <60dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 460m³/h	Dimensions(mm) L400×W310×H610	Weight (No Smoking Arm) 32kg

Effective Purification

Spark filter (optional)
Block open flame sources such as sparks and sparks in the smoke

Washable Filter Cotton
Honeycomb open hole design, with good filtration and mechanical structure.
can be used repeatedly after washing and drying

Oil Absorption Grid Filter
Efficientlyintercepts oil and impurities, improving filtering effect

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency:
> 0.3 um,99.97%-99.99%.

High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

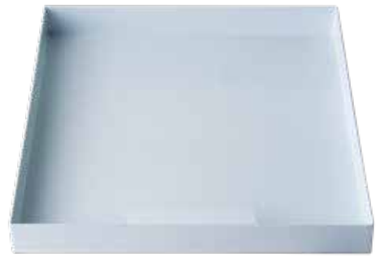
FES350U
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES350U	Port Φ75mm	Power 350W
Noise <58dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 580m³/h	Dimensions(mm) L335×W335×H475	Weight (No Smoking Arm) 28kg

Effective Purification

Efficient filtering bucket
The filter element is made of PTFE coated materi-al, a new type of smoke and dust capture filter element. Compared with ordinary filter cartridges, it has better wear resistance and higher filtration accuracy. It can provide higher filtration speed than traditional filter cartridges, and the dust removal effect can reach 99.9%. The filter cartridge can be cleaned and reused repeatedly (up to 6-8 months depending on the usage scenario)



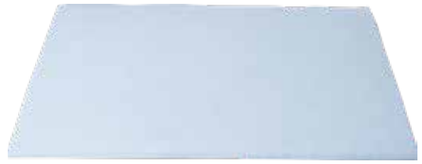
Collection box
Filtered dust, fumes, and waste fall into the dust collection bin, making cleaning convenient.

FES350P
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES350P	Port Φ100mm	Power 350W
Noise <65dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/50Hz
Air Velocity 410m³/h	Dimensions(mm) L420×W300×H590	Weight (No Smoking Arm) 28kg

Effective Purification



Pre-filter cotton
Thicken fiber material, laser cutting and die-casting process, smooth and high filtering accuracy on the outside.

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency:
> 0.3 um,99.97%-99.99%.

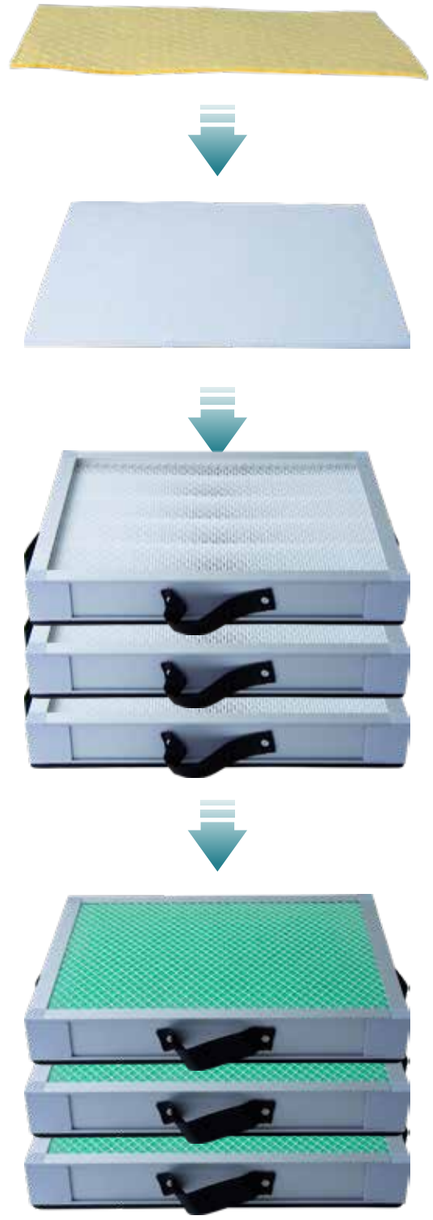
High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

FES400
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES400	Port Φ80mm	Power 400W
Noise <68dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 480m³/h	Dimensions(mm) L420×W300×H700	Weight (No Smoking Arm) 36kg

Effective Purification



Chemical-resistant absorbent pad
Specifically designed to capture liquid aerosols such as acid mists and alkaline mists, preventing them from condensing into droplets and entering the machine's interior.

Pre-filter cotton
Thicken fiber material, laser cutting and die-casting process, smooth and high filtering accuracy on the outside.

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency: > 0.3 um,99.97%-99.99%.

High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

FES600
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES600	Port Φ100mm	Power 600W
Noise 60-70dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 620m³/h	Dimensions(mm) L580×W415×H925	Weight (No Smoking Arm) 52kg

Effective Purification

Spark filter
Block open flame sources such as sparks and sparks in the smoke

Pre-filter cotton
Thicken fiber material, laser cutting and die-casting process, smooth and high filtering accuracy on the outside.

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency: > 0.3 um,99.97%-99.99%.

High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

FES800
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES800	Port Φ100mm	Power 800W
Noise 75-80dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/AC110V
Air Velocity 820m³/h	Dimensions(mm) L580×W415×H1010	Weight (No Smoking Arm) 80kg

Effective Purification

Spark filter
Block open flame sources such as sparks and sparks in the smoke

Pre-filter cotton
Thicken fiber material, laser cutting and die-casting process, smooth and high filtering accuracy on the outside.

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency:
> 0.3 um,99.97%-99.99%.

High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

FES1000
Fume Extractor

Smoking apparatus
Machine Introduction

Model	Port	Power
FES1000	Φ110mm	1000W
Noise	**Filtering Efficiency**	**Vac**
<80dB	0.3μm 99.995%	AC220V/AC110V
Air Velocity	**Dimensions(mm)**	**Weight (No Smoking Arm)**
1100m³/h	L550×W450×H890	70kg

Effective Purification

Spark filter
Block open flame sources such as sparks and sparks in the smoke

Dust collection filter bag
Filter dust, debris and other large particles(PM60)

High-efficiency combination filter (H14 filter+ Activated Carbon Filter)
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H14 particle size and filtration efficiency: > 0.3 μm,≥99.995%.
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
Odor Removal Rate of 98%

FES1200&1800
Fume Extractor

Smoking apparatus
Machine Introduction

Model FES1200/FES1800	Port Φ100mm	Power 1200W/1800W
Noise FES1200≤65dB FES1800≤68dB	Filtering Efficiency 0.3μm 99.97%	Vac AC220V/50Hz
Air Velocity FES1200≈1320m³/h FES1800≈1810m³/h	Dimensions(mm) L810×W565×H1273	Weight (No Smoking Arm) FES1200≈145kg FES1800≈155kg

Effective Purification

Spark filter
Block open flame sources such as sparks and sparks in the smoke

Pre-filter cotton
Thicken fiber material, laser cutting and die-casting process, smooth and high filtering accuracy on the outside.

High Effective H13 Filter
Aluminum alloy frame, tightly fitting with filter material to prevent the risk of edge leakage.Made of fiberglass filter paper, it has stable performance and high dust holding capacity.
H13 particle size and filtration efficiency:
> 0.3 um,99.97%-99.99%.

High Efficiency Activated carbon Filter
Filter level: Activated Carbon Iodine Value 1500
Metal Frame Reinforcement
Coconut Shell Charcoal
0dor Removal Rate of 98%

Pulse blowback
Product introduction

Product overview

This series is a pulse back blowing industrial dust collector which is generally used for floating dynamic powder Dust capture and filtration.

The machine integrates the design of filtration system, back blowing and soot cleaning system, fan system and electric control system, which has been widely praised by customers.

Pulse blowback
Working Principle

Back blowing and soot cleaning status

System composition

- **Air source**
  Provide compressed air for the injection system, requiring 0.4MPa ~ 0.6MPa
- **Air reservoir**
  It stores energy for the injection system to meet the requirements of large injection air volume in a short time
- **Oil water separator**
  Filter the moisture contained in the compressed air provided by the air compressor and adjust the pressure required by the system
- **Electromagnetic pulse valve**
  The upper computer signal controls its opening and closing, and the pulse injection of high-pressure gas
- **Nozzle**
  Disperse the injected gas to the surface of the filter cartridge to minimize the dead angle of ash cleaning
- **Pulse controller**
  It controls the opening and closing time of the electromagnetic pulse valve Adjustment

Product parameters

Model	FES1500	FES2200
Power	1.5KW	2.2KW
Vac	AC380V /50Hz	AC380V /50Hz
Negative Pressure	2200pa	2400pa
Flow	1800m³/h	2800m³/h
Filtration area	11M²	18M²
Filter Element (quantity)	1	2
Suction Diameter	100/150mm	150/200mm
Filtering accuracy	0.3μm	0.3μm, 99%
Dust Collecting Box	38L	45L
Exhaust Diameter	250mm	350mm
Noise	70±2dB	72±2dB
Dimensions(mm)	L820*W700*H1860MM	L820*W700*H1860MM

Product parameters (FES3000 & FES5500 & FES7500 & FES11000)

Model	FES3000	FES5500	FES7500	FES11000
Power	3.0KW	5.5KW	7.5KW	11KW
Vac	AC380V /50Hz	AC380V /50Hz	AC380V /50Hz	AC380V /50Hz
Negative Pressure	2600pa	2600pa	2800pa	3000pa
Flow	3600m³/h	5800m³/h	8000m³/h	11000m³/h
Filtration area	22M²	44M²	66M²	78M²
Filter Element (quantity)	2	4	6	6
Suction Diameter	200/250mm	250/300mm	300/350mm	350/400mm
Filtering accuracy	0.3μm	0.3μm, 99%	0.3μm	0.3μm
Dust Collecting Box	45L	65L	90L	90L
Exhaust Diameter	350mm	395mm	450mm	450mm
Noise	72±2dB	75±2dB	80dB	80dB
Dimensions(mm)	L820*W700*H1860MM	L1010*W897*H1942MM	/	/

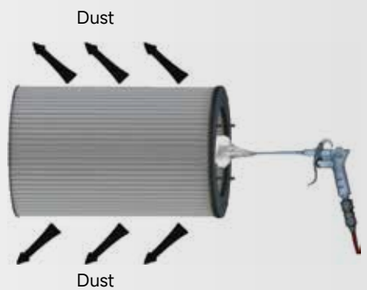
Top suction dust collection
Product introduction

Product overview

For the industrial dust collector with top suction and dust collection, the dust suction port is set on the top of the host. It is mainly used to connect the pipeline from the top of the supporting equipment, which can minimize the floor area of the equipment and the winding distance of the hose. It is generally used for the capture and filtration of floating dynamic dust under heavy dust conditions.

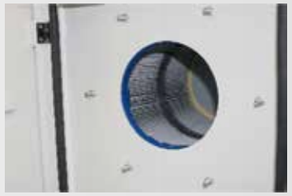
Top suction dust collection
Ash cleaning method

- The front and rear of the equipment are equipped with hinge door, and the front door is used to open the dumping dust collection door
  The back door is used to clean the dust adhered to the surface of the filter cartridge.



Front

Side



Back

FES500&800&1600
Top suction dust collection

Model	FES500	FES800	FES1600
Filtering accuracy	0.3μm	0.3μm	0.3μm
Vac	AC220V /50Hz	AC220V /50Hz	AC220V /50Hz
Dimensions(mm)	470*475*933	470*475*933	470*475*933

Vibration dust removal
Product introduction

Product overview

This product is characterized by beauty, safety and silence. It is specially designed for a large number of fine the dust purifier is designed and equipped with brushless electric motor, which can realize stepless adjustment Speed, and equipped with cartridge filter + Post activated carbon two-stage filtration

Vibration dust removal
Dust collection principle

- Under the action of dynamic and inertial forces, some larger particles directly fall into the ash hopper due to the sudden expansion of air flow section and strategic settlement, which has the effect of pre dedusting.
- After the fine dust enters the filter chamber, the dust is adsorbed on the surface of the filter material through the combined effects of Brownian diffusion and screen filtration.
- After purification, the clean gas will also encounter a layer of activated carbon filter to remove the odor molecules in the gas It will be absorbed by activated carbon and get clean odor free dust from the surface.

FCZ500&FCZ800
Vibration dust removal

Product parameters

Model	FCZ500	FCZ800
Vac	AC220V/50Hz	AC220V/50Hz
Flow	500m³/h	/
Negative Pressure	5000pa	/
Filtering accuracy	0.3μm	0.3μm
Noise	70dB	/
Dimensions(mm)	470*475*933	470*475*933

Pulse blowback
Filter assembly

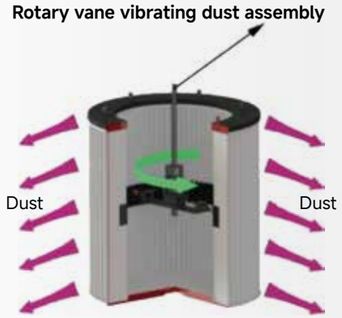
- The filter with built-in metal stiffener has developed special adhesion and clamping technology, so that the stiffener is not easy to fall off, has longer service life and better dust removal effect.

HNP dust removal
Product introduction

Product overview

This product is a high negative pressure industrial dust collector. It adopts turbine vacuum pump, which can be continuous for 24 hours and maintenance free. Protection IP54 / IP55 is made of aviation aluminum, professional lathe worker, precision and solid, good heat dissipation, fire and corrosion resistance. It is generally used for the capture and filtration of floating dynamic dust under heavy dust conditions.

Vibration dust removal
Ash cleaning principle



Rotary vibration dust cleaning

- The dust cleaning mode of the equipment is manual controlled electric filter cartridge paddle vibration dust cleaning mode When removing the dust cleaning switch.
- The reduction motor drives the rotating vibrator to dial the filter barrel paddle at the speed of 20R / min.
- The paddle is located inside the filter barrel, and its vibration will effectively shake off the dust on the surface of the filter barrel.

FES750
HNP dust removal

Model	FCZ500
Power	750W
Vac	AC220V/50Hz
Negative Pressure	2200pa
Filtering accuracy	0.3μm,99.97%
Port	Φ50mm
Noise	<55dB
Dimensions(mm)	L820*W700*H1860

Pulse blowback
Filter assembly

- The filter with built-in metal stiffener has developed special adhesion and clamping technology, so that the stiffener is not easy to fall off, has longer service life and better dust removal effect.

SCOPE OF APPLICATION

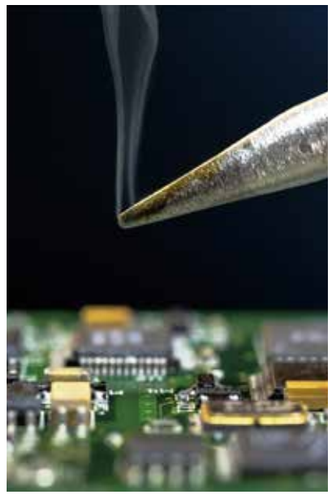
SMOKING INSTRUMENT

Moxibustion And Dust Powder

Long-term inhalation of the smoke from the burning of wormwood during moxibustion can easily lead to chronic poisoning and cause great harm and impact on the entire respiratory system of the human body.

Soldering

During the soldering process, a lot of fumes are generated. The particles in the smoke and harmful gases will cause great harm to the operator and the environment.



Laser

The smoke produced by laser includes : inhalable powder, methanol methyl acrylate, ethyl phenylacrylate copolymer and other volatile matter, that is, pungent odor.