Fumeclear

Fume Extraction

1. FC-100A/FC-150/FC-1001A/FC-1002A

FC-100A

FC-150

FC-1001A

FC-1002A

FC-100A is a small single arm fume extractor with beautiful appearance, multi-stage filtration and small size. It is generally used in electronic soldering rosin soldering and other occasions with small smoke and dust.

FC-150 also with remote controller, filter failure alarm system and digital display. It has multi-stage filtration. It is generally used in electronic soldering rosin soldering and other occasions with small smoke and dust.

Model	FC-100A	FC-150
Air inlet interface	Φ50mm *1 flange	Φ50mm *1 flange
Voltage	AC 110V/220V	AC 110V/220V
Power	100W	150W
Filter	3 layers	3 layers
Negative Pressure	2000Pa	2200Pa
Pipe Length	50mm*0.75M	50mm*1.2m
Noise	<50dB	<50dB
Flow	200m³/h	258m³/h
Dimensions(L*W*H)	270*222*257mm	280*250*340mm
Weight	7Kg	10Kg

Application Scenarios

FC-1001A/FC-1002A: Mainly used in electric soldering, small laser marker and beauty salon (like hair salon, nail salon, eyelashes extension, moxibution and ect.)

1. Knob operation, fast and convenient.
2. Effective filter clogging alarm system to remind you to replace the filter in time.
3. Wheels with brakes make it easy and flexible to move.

Model	FC-1001A	FC-1002A
Air inlet interface	Φ75mm /50mm	Φ75mm /50mm*2
Voltage	AC 110V/220V	AC 110V/220V
Power	210W	210W
Length of Smoking Absorbing pipe	75mm*1.4/50mm *1.2m	75mm*1.4/50mm* 1.2m*2
Noise	<55dB	<55dB
Flow	330m³/h	165*2m³/h
Dimensions(L*W*H)	425*250*410mm	425*250*410mm
Weight	14Kg	14.5Kg

Application Scenarios

2. FC-1001/FC-1002/FC-3001/FC-3002

FC-1001

FC-1002

FC-3001

FC-3002

FC-1001/FC-1002: MULTIPLE FILTRATION SYSTEM (3 layers)
The unique 3-layer filter design can effectively filter 99.97% of harmful gases and tiny impurities.

1. 99.97% purification rate for 0.3um pollution
2. Multi-layer filtration, fast purification
3. DC brushless motor, stable performance and long service life.
4. With digital display and remote controller.
5. With alarm system, it will remind you to replace the filter in time.

Model	FC-1001	FC-1002
Air inlet interface	Φ75mm /50mm	Φ75mm /50mm*2
Voltage	AC 110V/220V	AC 110V/220V
Power	210W	210W
Length of Smoking Absorbing pipe	75mm*1.4/50mm *1.2m	75mm*1.4/50mm* 1.2m*2
Noise	<55dB	<55dB
Flow	330m³/h	165*2m³/h
Dimensions(L*W*H)	425*250*410mm	425*250*410mm
Weight	14Kg	14.5Kg

Application Scenarios

FC-3001/FC-3002: Mainly used in low-power laser marker, laser engraver and cutter. Also use in 3D printer, nail salon and hair salon.

1. Digital display, configuration of remote control, remote control of the machine
2. Multi-layer filtration, fast purification
3. With flexible arm and filter block alarm
4. Filtration system for cleaning particles and gases
5. FC3001-FC3002 type with digital display and remote control

Model	FC3001	FC3002
Air inlet interface	Φ75mm *1 flange	Φ75mm *2 flange
Voltage	AC 110V/220V	AC 110V/220V
Power	300W	300W
Max. No-load Speed(r/min)	6000	6000
Negative Pressure	2400Pa	2400Pa
Filtering effect	0.3μm99.97%	0.3μm99.97%
Noise	<55dB	<55dB
Flow	420m³/h	210*2m³/h
Dimensions(L*W*H)	420*265*464mm	420*265*464 M
Weight	18.6Kg	20Kg

Application Scenarios

| FC-2002 | FC-2002ESD | FC-2003 | FC-2004 |

1. Brushless motor, low noise, high speed, stable operation, long service life, low power consumption, and high efficiency (No motor loss and no additional maintenance).
2. Vortex fan design is fatigue-resistant, operates smoothly, has strong suction, and high efficiency.
3. The model is equipped with a stepless adjuster and can be remotely controlled, and the wind speed can be adjusted as desired.
4. Multiple filtration design ensures thorough filtering of toxic and harmful substances in the smoke, effectively protecting the environment and human health.
5. All filter cartridges can be replaced individually, prolonging their service life and reducing the cost of filter replacement.
6. The installation is simple and convenient, and it can be used by simple disassembly and assembly, which is conducive to the cleanliness and aesthetics of the workspace.
7. The all-metal frame structure is resistant to impact and vibration.

Parameters Model	FC-2002	FC-2002ESD	FC-2003	FC-2004
Into the socket	Φ55	Φ55	Φ55*2	Φ75*1.4
Input Voltage		AC 220V / AC110V		
Power	160W	160W	200W	360W
System traffic	260m³/h	260m³/h	2*165m³/h	420m³/h
Filtration effect		0.3um / 99.97%		
Number of filter layers	3 levels	3 levels	3 levels	3 levels
Noise	<55dB	<55dB	<56dB	<58dB
Tobacco pipe length	Φ50mm 1.2m	Φ50mm 1.2m	Φ50mm 1.2m	Φ75mm 1.4m
Livesize	285*285*	285*285*	315*315*	350*350*
	450mm	450mm	500mm	575mm
Weight	10.7Kg	10.7Kg	14.5Kg	18.5Kg

Application Scenarios

4. FC-350/XL-300/XL-500/XL-700

XL-300

XL-500

XL-700

FC-350

FC-350: 3D Printing Fume Cleaner

XL-300: For 3D printing, harmful fumes from laser printing, welding, etc.

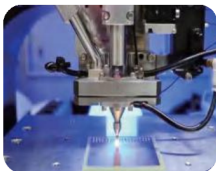XL-500: For laser fume and solder fume purification

XL-700: Large Portable Fume Cleaner for Laser

1. Digital display, with remote control, can be remotely controlled.
2. Multi-layer filtration, fast purification.
3. Filter failure alarm system.
4. Dust collection filtration, odor filtration, fire prevention.
5. Brushless motor makes its performance stable and long life.

Model	FC-350	XL-300
Power (W)	350W	330W
Air Inlet Interface	Φ75mm *1 flange	90mm
Voltage (V)	AC 110V/220V	AC110V/220V
Noise (db)	<55dB	<59db
Filter	5 layers	4 layers
Flow (m³/h)	430m³/h	450m³/h
CFM	253	265
Dimensions(L*W*H)	400*310*610mm	425*315*700mm
Weight	29Kg	36kgs

Model	XL-500	XL-700
Power	450W AC	700W AC
Voltage	110V/220V	110V/220V
Filter	5 Layers	6 Layers
Weight	60kg	70kg
Dimensions(L*W*H)	550*440*885mm	550*440*1035mm
Air Flow	700m³/h	750m³/h
Noise	<70dB	<75dB

Application Scenarios

Accessories Duct:

Picture	Name	Material	Description
	Bamboo arm	ABS	Size: 50mm/75mm Length: 1.2M 1.4M Color：Black/White
	Smoke extraction pipe	PVC	Size: 50mm/100mm/150mm Length: 3M 5M Color：Grey

Hood:

Picture	Name	Material	Description
	Round Hood	High temperature resistance silicone	Size: 50mm*105mm 75mm*130mm Color：Black
	Square Hood	High temperature resistance silicone	Size: 50mm*85mm*190mm 75mm*130mm*265mm Color：Black

Filter:

Picture	Name	Size	Replacement time
	Pre-filter	365*175*8mm	
	Washable Pre-filter	365*175*15mm	7-10 days
	Fire Protection Network	415*335*25mm	Washable
	Medium efficiency filter cartridge	365*175*55mm	2-3 months
	High efficiency activated carbon cartridge	355*205*55mm	2-3 months
	High efficiency filter cartridge	375*225*255mm	2-3 months

Filter:

		Size	
	PP filter	450*380*50mm	2-3 months
	Glass fiber filter	450*380*50mm	2-3 months
	Special activated carbon	450*380*50mm	6-8 months

:
Remote Control

	Name
	Remote Control

Notes

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