Healthy and Safety: Protects workers from inhaling harmful fumes, reducing the risk of respiratory diseases, cancer, and other health issues.

Regulatory compliance: Many jurisdictions have strict regulations regarding exposure to welding fumes. Using a fume extractor can help businesses comply with these regulations and avoid fines or legal issues.

Improved air quality: By removing welding fumes from the air, these extractors contribute to better indoor air quality in the workplace, creating a safer and more comfortable environment for everyone.

Enhanced productivity: Cleaner air and improved working conditions can lead to increased productivity among welders, as they can focus better and experience fewer health-related interruptions.

Overall, welding fume extractors provide a range of benefits that contribute to a safer, healthier, and more efficient workplace.

Welding Fume Extractors Profile

Welding Fume Extractors are critical for maintaining a safe and healthy work environment industries where welding is performed. They protect workers from hazardous fumes, improve air quality, and ensure compliance with safety standards. Their applications span across manufacturing, construction, aerospace, energy, and more, making them indispensable tools in modern industrial processes.

The Crepow Fume Extractors are designed special for welding, they are for extracting and filtering the harmful smoke from welding and cutting, providing safe working environment and efficient production environment.
We offer different models of fume extractors to fit your environment and fume control needs.

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Welding Fume Extractor Features

Powerful extraction
Powerful extraction is fast solution for controlling welding fumes.

Longer filter life
Longer filter life with highly effectivity, efficiency and consistent filtration.

Easy to move
Compact design with wheels for ease of movement.

Sturdy construction
Rugged construction design for industry use, prevent melting and /or cracking over time.

Strong corrosion resistance
Corrosion resistance is suitable for use in corrosive environments, such as shipyards or chemical plants.

Convenient maintenance
Easy filter replacement is for ease of maintenance, some models included self-cleaning filter to clean filer automatically to extend filter life.

Pulse self-clean
Pulse self-clean mode keeps table in good working condition.

Good purification efficiency
Purification rate is up to 99.9%.

Low noise
Noise reduction designed to operate at low noise levels, reducing workplace noise pollution.

Good explosion-proof performance
Optional Explosion-Proof is suitable for environments with flammable gases or dust.

What are the Welding Fume Extractor applications?

- Trade show
- Industry events
- Manufacturing facilities
- Automotive Industry
- Construction and Infrastructure
- Aerospace Industry
- Shipbuilding and Marine
- Industry Laboratories and research facilities
- Maintenance and Repair
- Art and Sculpture
- Education and Training
- DIY and home workshops
- General Industry Applications

Application Cases

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CREPOW		FEX 1200	FEX 1200/1500/2400/3600(D)	FEX 2400/3600/4800Pro	FEX 1500/2400 i	FEX 180/245/500 HNP	FEX 1500/2400ELS	FEX 1500/2400/3600WM	FEX Laser 1/Laser 2
Applications	Welding	■	■	■	■	■	■	■	
	Cutting	■	■	■	■	■	■	■	
	Polish	■	■	■	■	■	■	■	
	Grinding	■	■	■	■	■	■	■	
	Recycle of rare metal or precious material		■	■	■				
	Robot welding, handheld grinding					■			
	Oil mist						■		
	Small space with wall-mounted							■	
	Special for dust clean including laser and soldering welding and chemical								■
Filter Stages		2	3	3	3	3	3	2	3
Manual clean		■	Available	N/A	N/A	N/A	■	N/A	
Self-clean		N/A	Available	■	■	■	N/A	■	
Touch screen control		N/A	N/A	N/A	■	N/A	N/A	N/A	N/A
Button control		■	■	■	N/A	■	■	■	■
Single arm		■	■	■	■	■	■	■	■
Double arm		N/A	Optional	Optional	Optional	Optional	Optional	Optional	Optional

WELDING FUME EXTRACTORS INTERNAL STRUCTURE

Fire proof mesh
Filter cartridge
Dust drawer
Vent
Fan

Preceding airflow uniformity plate
Air connector
Water and Oil Separator
Snail shell
Motor
Wheel

Hanger
Metal housing
Access port

Solenoid valve
Air cylinder
Impellor
Wheel with braker
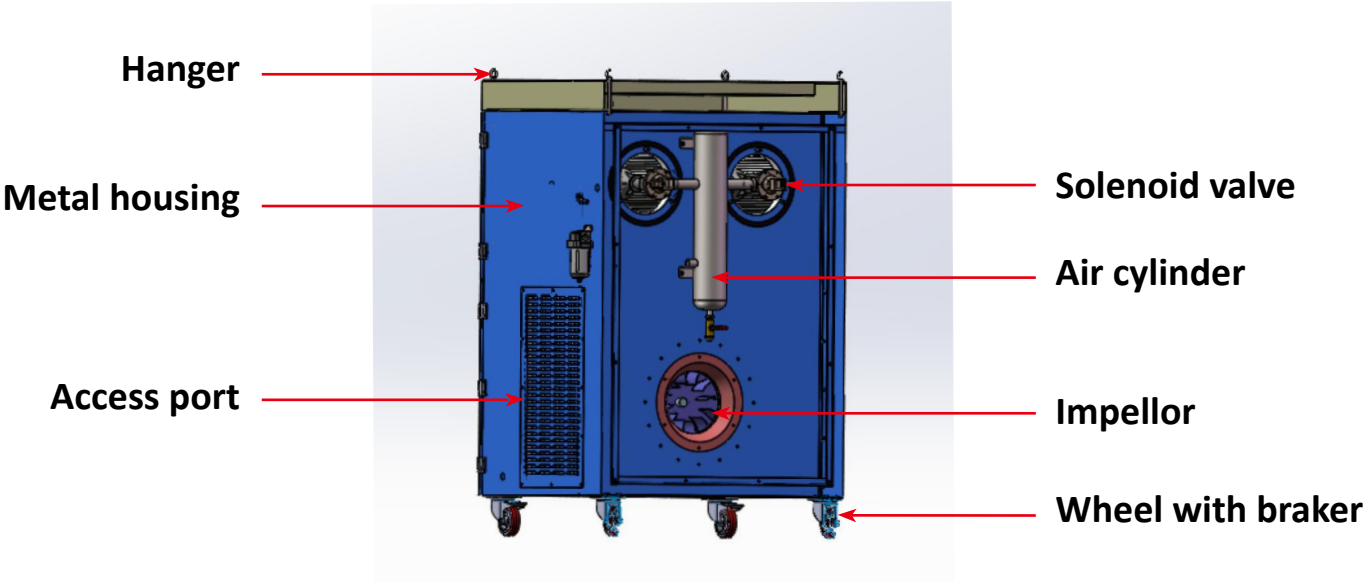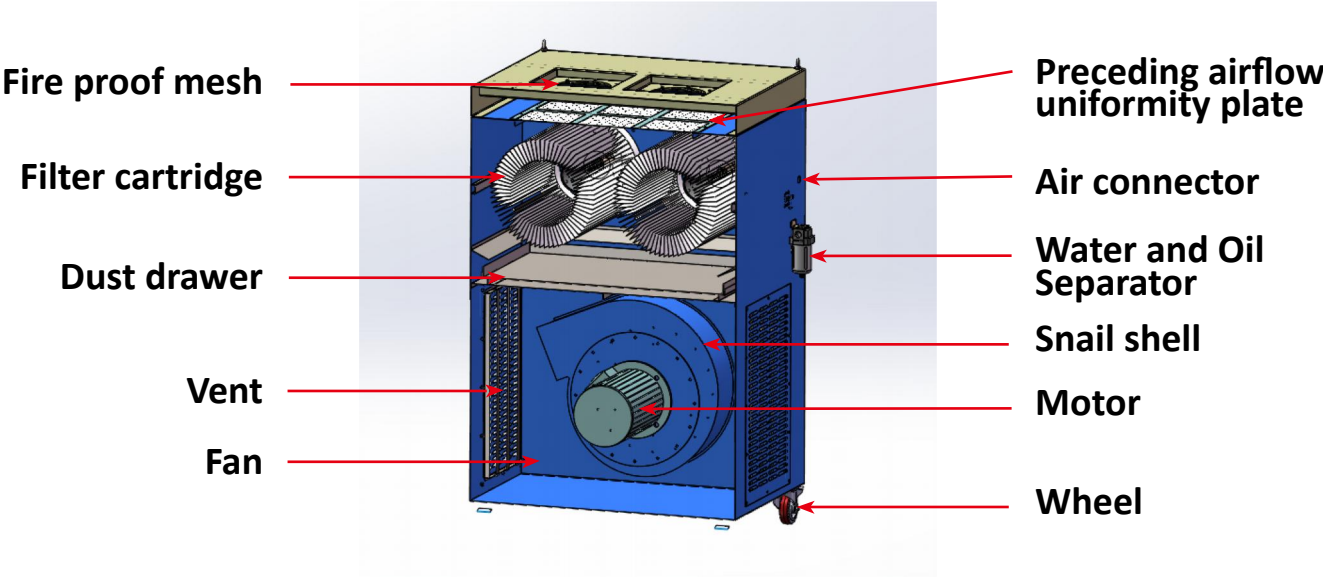
FEX 1200

Features

- Filter stages
- Manual clean
- Outstanding price-performance ratio
- 360° rotating exhaust hood
- Easy clean
- Stable performance
- ≥99.9% filter capacity

Applications

- Welding
- Cutting
- Polish
- Grinding

Modle	FEX 1200
FILTER	
Filter Stages	2
Filter Method	filter cartridge
Filter Surface	10m²
Type Of Filter	Filter Cartridge
Filter Material	PTFE coated polyester fiber
Filter Efficiency	≥99.9%
Filter class	Merv17
Additional Filters	Pre-Filter
TECHNICAL DATA	
Air Volume	1200m³/h
Motor Power	0.75kw
Power Supply	240V/ 50HZ
Noise Level In Field	≤75 db(A)
Clean Dust Method	Manual
Maximum Pressure	1700 pa
Compressed Air	
Flexible Arm Size	Ø 150*2000mm
Filter Size	Ø 380*425mm*1pc
Dimensions	530*640*1000mm
Weight	62kg

FEX 1200/1500/2400/3600 D

Features

- 3 Filter stages
- Self-clean
- 360° rotating exhaust hood
- Optional double arms
- Space-saving solution by two optional Extraction arms
- Safe operation by rotation field control
- Compact and solid design
- ≥99.9% filter capacity

Applications

- MIG/MAG solid wire welding
- MIG/MAG flux cored wire welding
- Electrode welding
- Gouging
- Cutting
- Grinding
- Polish

Modle	FEX 1200 D	FEX 1500 D	FEX 2400 D	FEX 3600 D
FILTER				
Filter Stages	3	3	3	3
Filter Method	filter cartridge	filter cartridge	filter cartridge	filter cartridge
Filter Surface	8m²	10m²	12m²	15m²
Type Of Filter	Filter Cartridge	Filter Cartridge	Filter Cartridge	Filter Cartridge
Filter Material	PTFE coated polyester fiber	PTFE coated polyester fiber	PTFE coated polyester fiber	PTFE coated polyester fiber
Filter Efficiency	≥99.9%	≥99.9%	≥99.9%	≥99.9%
Filter class	Merv17	Merv17	Merv17	Merv17
Additional Filters	Pre-Filter	Pre-Filter	Pre-Filter	Pre-Filter
TECHNICAL DATA				
Air Volume	1200m³/h	1500m³/h	2400m³/h	3600m³/h
Motor Power	1.1kw	1.5kw	2.2kw	3.0kw
Power Supply	380V/ 50HZ	380V/ 50HZ	380V/ 50HZ	380V/ 50HZ
Noise Level In Field	≤75 db(A)	≤75 db(A)	≤77 db(A)	≤80 db(A)
Clean Dust Method	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual
Maximum Pressure	1700 pa	1700 pa	1700 pa	1700 pa
Compressed Air	0.4-0.6MPA	0.4-0.6MPA	0.4-0.6MPA	0.4-0.6MPA
Flexible Arm Size	Ø 160*2500mm	Ø 160*2500mm	Ø 160*2500mm	Ø 160*2500mm
Filter Size	Ø 325*465mm*1pc	Ø 325*465mm*1pc	Ø 325*465mm*1pc	Ø 325*465mm*1pc
Dimensions	650*600*1250mm/ 650*670*1250mm	650*600*1250mm/ 650*670*1250mm	650*600*1250mm/ 650*670*1250mm	650*600*1250mm/ 650*670*1250mm
Weight	130KG	130KG	135KG	140KG

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FEX 2400/3600/4800 PRO

Features

- 3 Filter stages
- Self-clean
- 360° rotating exhaust hood
- Optional double arms
- Space-saving solution by two optional extraction arms
- Double cartridge filters
- Safe operation by rotation field control
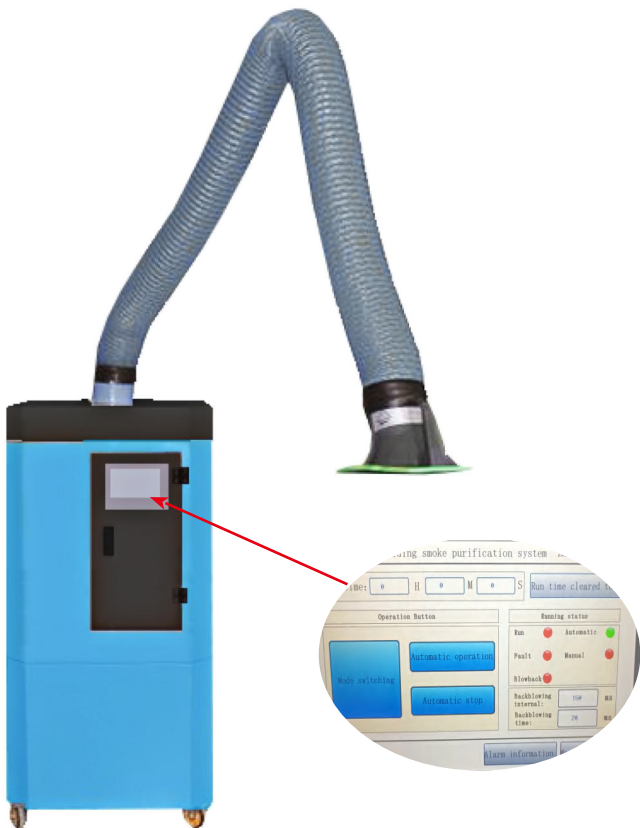- Compact and solid design
- ≥99.9% filter capacity

Applications

- MIG/MAG solid wire welding
- MIG/MAG flux cored wire welding
- Electrode welding
- Gouging
- Cutting
- Grinding
- Polish

Modle	FEX 2400 PRO	FEX 3600 PRO	FEX 4800 PRO
FILTER			
Filter Stages	3	3	3
Filter Method	filter cartridge	filter cartridge	filter cartridge
Filter Surface	16m²	20m²	24m²
Type Of Filter	Filter Cartridge	Filter Cartridge	Filter Cartridge
Filter Material	PTFE coated polyester fiber	PTFE coated polyester fiber	PTFE coated polyester fiber
Filter Efficiency	≥99.9%	≥99.9%	≥99.9%
Filter class	Merv17	Merv17	Merv17
Additional Filters	Pre-Filter	Pre-Filter	Pre-Filter
TECHNICAL DATA			
Air Volume	2400m³/h	3600m³/h	4800m³/h
Motor Power	2.2kw	3.0kw	4.0kw
Power Supply	380V/ 50HZ	380V/ 50HZ	380V/ 50HZ
Noise Level In Field	≤80 db(A)	≤82 db(A)	≤83 db(A)
Clean Dust Method	Automatic	Automatic	Automatic
Maximum Pressure	1700 pa	1700 pa	1700 pa
Compressed Air	0.4-0.6MPA	0.4-0.6MPA	0.4-0.6MPA
Flexible Arm Size	Ø 160*2500mm	Ø 160*2500mm	Ø 160*2500mm
Filter Size	Ø 350*620mm*2pcs	Ø 350*620mm*2pcs	Ø 350*620mm*2pcs
Dimensions	920*920*1480mm	920*920*1480mm	920*920*1480mm
Weight	190+/- 5 KG	195+/- 5 KG	195+/- 5 KG

FEX 1500/2400 i

Features

- 3 Filter stages
- Self-clean
- Touch screen and PLC full-automatic control
- 360° rotating exhaust hood
- Optional double arms
- Space-saving solution by two optional extraction arms
- Double cartridge filters
- Safe operation by rotation field control
- Compact and solid design
- ≥99.9% filter capacity

Applications

- MIG/MAG solid wire welding
- MIG/MAG flux cored wire welding
- Electrode welding
- Gouging
- Cutting
- Grinding
- Polish

Modle	FEX 1500i	FEX 2400 i
FILTER		
Filter Stages	3	3
Filter Method	filter cartridge	filter cartridge
Filter Surface	10m²	20m²
Type Of Filter	Filter Cartridge	Filter Cartridge
Filter Material	PTFE coated polyester fiber	PTFE coated polyester fiber
Filter Efficiency	≥99.9%	≥99.9%
Filter class	Merv17	Merv17
Additional Filters	Pre-Filter	Pre-Filter
TECHNICAL DATA		
Air Volume	1500m³/h	2400m³/h
Motor Power	1.5kw	3.0kw
Power Supply	415V/ 50HZ 3 Phase	415V/ 50HZ 3 Phase
Noise Level In Field	≤85 db(A)	≤85 db(A)
Clean Dust Method	Automatic	Automatic
Maximum Pressure	1700 pa	1700 pa
Compressed Air	0.4-0.6MPA	0.4-0.6MPA
Flexible Arm Size	Ø 150*3000mm	Ø 150*3000mm
Filter Size	Ø 325*660mm*1pc	Ø 325*660mm*1pc
Dimensions	700*760*1460mm	700*760*1460mm
Weight	185 +/- 5 KG	200 +/- 10 KG

FEX 190/245/500 HNP

Features

- 2 Filter stages
- Self-clean
- High negative pressure
- Safe operation by rotation field control
- Compact and solid design
- ≥99.9% filter capacity

Applications

- MIG/MAG solid wire welding
- MIG/MAG flux cored wire welding
- Electrode welding
- Robot welding
- Gouging
- Cutting
- Grinding
- Polish

Modle	FEX 190 HNP	FEX 245 HNP	FEX 500 HNP
FILTER			
Filter Stages	3	3	3
Filter Method	filter cartridge	filter cartridge	filter cartridge
Filter Surface	8m²	10m²	12m²
Type Of Filter	Filter Cartridge	Filter Cartridge	Filter Cartridge
Filter Material	PTFE coated polyester fiber	PTFE coated polyester fiber	PTFE coated polyester fiber
Filter Efficiency	≥99.9%	≥99.9%	≥99.9%
Filter class	Merv17	Merv17	Merv17
Additional Filters	Pre-Filter	Pre-Filter	Pre-Filter
TECHNICAL DATA			
Air Volume	190m³/h	245m³/h	500m³/h
Motor Power	1.5kw	3.0kw	5.5kw
Power Supply	380V/50HZ or customized	380V/50HZ or customized	380V/50HZ or customized
Noise Level In Field	≤80 db(A)	≤82 db(A)	≤85 db(A)
Clean Dust Method	Automatic	Automatic	Automatic
Maximum Pressure	23000 pa	32000 pa	36000 pa
Compressed Air	0.4-0.6MPA	0.4-0.6MPA	0.4-0.6MPA
Flexible Arm Size	Ø 50*10000mm	Ø 50*10000mm	Ø 50*10000mm
Filter Size	Ø 210*362mm*2pcs	Ø 210*362mm*2pcs	Ø 210*362mm*3pcs
Dimensions	550*550*1110mm	620*600*1180mm	750*700*1280mm
Weight	100 +/- 10 KG	110 +/- 10 KG	130 +/- 10 KG

FEX 1500/2400 ELS

Features

- Electrostatic
- 3 Filter stages
- Less noise
- Energy saving
- 360° rotating exhaust hood
- Easy maintenance
- Easy clean
- ≥99.9% filter capacity

Applications

- Oil mist
- Welding
- Cutting
- Polish
- Grinding

Modle	FEX 1500 ELS	FEX 2400 ELS
FILTER		
Filter Stages	3	3
Filter Method	Electrostatic module	Electrostatic module
Filter Surface	10m²	12m²
Type Of Filter	High voltage	High voltage
Filter Material	Static electric field of aviation aluminum alloy	Static electric field of aviation aluminum alloy
Filter Efficiency	≥99.9%	≥99.9%
Filter class	Merv17	Merv17
Additional Filters	Pre-Filter	Pre-Filter
TECHNICAL DATA		
Air Volume	1500m³/h	2400m³/h
Motor Power	1.5kw	3.0kw
Power Supply	380V/50Hz	380V/50Hz
Noise Level In Field	≤80 db(A)	≤83 db(A)
Clean Dust Method	Manual	Manual
Maximum Pressure	1700 pa	1700 pa
Compressed Air		
Flexible Arm Size	Ø 150*2500mm	Ø 150*2500mm
Filter Size	500*500mm*1pc	500*500mm*1pc
Dimensions	600*580*1250mm	650*670*1325mm
Weight	130 +/- 10 KG	130 +/- 10 KG

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FEX 1500/2400/3600 WM

Features
- Wall-mounted , space saving solution
- 360° rotating exhaust hood
- Less noise
- Compact size, less power, energy saving

Applications
- Training school or welding shop with small space
- Welding
- Cutting
- Polish
- Grinding

Modle	FEX 1500 WM	FEX 2400 WM	FEX 3600 WM
FILTER			
Filter Stages	2	2	2
Filter Method	filter cartridge	filter cartridge	filter cartridge
Filter Surface	7m²	8m²	10m²
Type Of Filter	Filter Cartridge	Filter Cartridge	Filter Cartridge
Filter Material	Pre-Coating Polyester	Pre-Coating Polyester	Pre-Coating Polyester
Filter Efficiency	≥99.9%	≥99.9%	≥99.9%
Filter class	Merv17	Merv17	Merv17
Additional Filters	Pre-Filter	Pre-Filter	Pre-Filter
TECHNICAL DATA			
Air Volume	1500m³/h	2400m³/h	3600m³/h
Motor Power	1.5kw	2.2kw	3.0kw
Power Supply	380V/50HZ	380V/50HZ	380V/50HZ
Noise Level In Field	≤75 db(A)	≤80 db(A)	≤82 db(A)
Clean Dust Method	Automatic	Automatic	Automatic
Maximum Pressure	1700 pa	1700 pa	1700 pa
Compressed Air	0.4-0.6MPA	0.4-0.6MPA	0.4-0.6MPA
Flexible Arm Size	Ø 150*2500mm	Ø 150*2500mm	Ø 150*2500mm
Filter Size	Ø 325*620mm*1pc	Ø 325*620mm*1pc	Ø 325*620mm*1pc
Dimensions	968*710*1033mm	968*710*1033mm	968*710*1112mm
Weight	110 +/- 10 KG	120 +/- 10 KG	130 +/- 10 KG

FEX Laser 1/2

Features
- Special for soldering and laser fume
- 3 Filters （Pre filter, middle filter and Main filter）
- All in one design
- Easy operation
- Large power DC brushless motor
- Adjustable air flow
- Built-in fume filter and recycle
- Multi station design
- Less noise
- ≥99.9% filter capacity

Applications
- Laser welding
- Laser marking
- Laser engraving
- Laser cutting
- Chemical lab
- Medical treatment and beauty and so on
- Soldering

Modle	FEX Laser 1	FEX Laser 2
FILTER		
Filter Stages	3	3
Filter Method	filter cartridge	filter cartridge
Filter Surface		
Type Of Filter	Filter Cartridge	Filter Cartridge
Filter Material	Pre-Coating Polyester	Pre-Coating Polyester
Filter Efficiency	≥99.9%	≥99.9%
Filter class	Merv17	Merv17
Additional Filters	Pre-Filter	Pre-Filter
TECHNICAL DATA		
Air Volume	200m³/h	320m³/h
Motor Power	0.12kw	0.25kw
Power Supply	220V/50HZ	220V/50HZ
Noise Level In Field	≤ 75 db	≤ 75 db
Clean Dust Method		
Maximum Pressure	700 pa	700 pa
Compressed Air		
Flexible Arm Size	Ø 75*1500mm	Ø 75*1500mm
Filter Size	365*175mm*3pcs	365*175mm*3pcs
Dimensions	400*230*350mm	470*230*500mm
Weight	7.8kg	15.5kg

FUME EXTRACTION ARM

Accessory

FEX-WM

FEX-WM wall-mounted flexible suction arm

Length	2m, 3m, 4m
Diameter	150mm, 160mm ,200mm.
Material of outer pump	Imported PVC steel wire pipe
Frame materials	The spring is made of carbon steel, other metal parts are 304# stainless steel.

FEX-GN

FEX-GN fume extraction arm

Length	2m, 3m, 4m
Diameter	160mm
Frame materials	Imported PVC steel wire pipe

FEX-MB

Flexible suction arm for FEX-MB equipment

Length	2m, 3m, 4m
Diameter	150mm, 160mm ,200mm.
Outer pipe material	Imported PVC steel wire pipe
Frame materials	The spring is made of carbon steel, other metal parts are 304# stainless steel.

FEX-Laser

FEX-Laser suction arm

Length	40mm
Diameter	70mm

Hood

Length	150mm interface
Material	Plastic

Protective mesh

Protection mesh fro exhaust hood

Replacement hose

Specifications	150mm; 200mm; 250mm; 300mm
Material	Ordinary flame retardant hose, high temperature flame retardant hose

Filter

Specifications	210mm; 325mm; 350mm
Material	PTFE coated polyester

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