



MOBILE FILTRATION SYSTEM

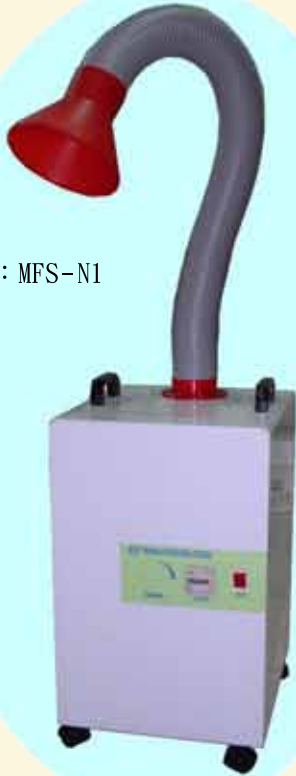
Index

Introduction	1
Mobile Filtration System.....	2
Model : MFS-N1 /MFS-N2/ MFS-N3	
Mobile Extraction System.....	2
Model : MES	
Stationary Filtration System.....	3
• Welding filter(2inch type)	
Model : MFS-W	
• Standard filter(3inch type)	
Model : MFS-P	
Filters.....	4
Bench Recessed Filtration System.....	5
Model : BTEH-200+MFS-W	
Mobile Fume Hood Filtration System.....	6
Model : MFS-N1-M/N2-M	
Mobile Fume Hood Filtration System.....	7
Model : MFS-N3-M+BCH90	
Simple Type Fume Hood.....	8
Model : BCH-90/BCH-120/BCH-150	
Model : BCH-90/B/BCH-120B/BCH-150B	
Filtered Fume Hood.....	10
Model : MFH-900	
Extraction Arm.....	11
• Simple Extraction Arm-System 50	
• Ceiling Mounting Extraction Arm	
• Wall Mounting Extraction Arm	
• Aluminum Extraction Arm	
• Wall Mounting-System 50	

■ Features:

- ⊙ Flexible hose can be extended to each angles.
- ⊙ Removable design offers easy operation.
- ⊙ Ductless design to avoid the inconvenience of construction.
- ⊙ A fully comprehensive range of filters can effectively deal with different harmful exhaust.
- ⊙ Digital timer can learn about the filter condition.
- ⊙ Low noise, the noise level is between 65 ~75dBA.
- ⊙ High efficiency of filtration, this unit is designed for the removal of particulates above 0.5µm up to 95% and ensure the air quality of the workplace.
- ⊙ High extraction capacity, air flow is at least 160m³/hr. Extraction hood's air flow can reach 1.0m/sec.

Model : MFS-N1



Model : MFS-N3



Model : MFS-N2



■ Applications:

Laboratory, cleanroom, vocational school, pharmaceutical industry, electronics factory, welding factory, supplies room, blending room, basement, ...etc, for extracting particulates and dust.

■ Specifications

Model:	MFS-N1	MFS-N2	MFS-N3
Size:	400(W)x450(D)x570(H)mm	650(W)x500(D)x850(H)mm	800(W)x650(D)x1100(H)mm
Max. Capacity:	17CMM (1020m ³ /hr)	25CMM (1500m ³ /hr)	30CMM (1800m ³ /hr)
Filters:	Three-layers filter: ① Pre filters: to capture the larger litters and dust. ② Activated carbon filter: 100% activated carbon fibers can effectively filter the unstable organic gas. ③ HEPA filters (High Efficiency Particulate Air <i>filter</i>): can filter particulates above 0.5µm up to 95%.		
	We offer a wide range of filters, all designed for different applications and processes.		
Noise Level:	70dB(A)	73 dB (A)	75 dB (A)
Damper:	Non	Yes	Yes
Timer:	Digital timer with display light		
Filter Housing:	PP material		
Extraction Arm:	3" PVC material	3" or 4" PVC material, 3-joint-extraction arm	
Extraction Hood:	Ø180mm, PP material	Ø390mm, PP material	390x390mm, PP material
Cabinet Construction:	PP material		
Voltage/ Frequency:	110V/220V, 60HZ	1Φ, 220V, 60HZ	3Φ, 220V, 60HZ

■ Mobile Extraction System



■ Model: MES

- * Size: 400(W)x450(D)x900(H)mm
- * Max. Capacity: 6.5CMM(390m³/hr)
- * Noise Level: Under 70dB
- * Filter Housing: PP material
- * Extraction Arm: Ø75mm, PVC material, 170cm

- * Exhaust Outlet: 3inch
- * Extraction Hood: Ø180mm, PP material, 1set
- * Extraction Hose: PVC material
- * Voltage/ Frequency: 110V/220V, 60HZ

■ Stationary/Mobile Filtration System

● Welding filter(2inch type)



Wall Bracket



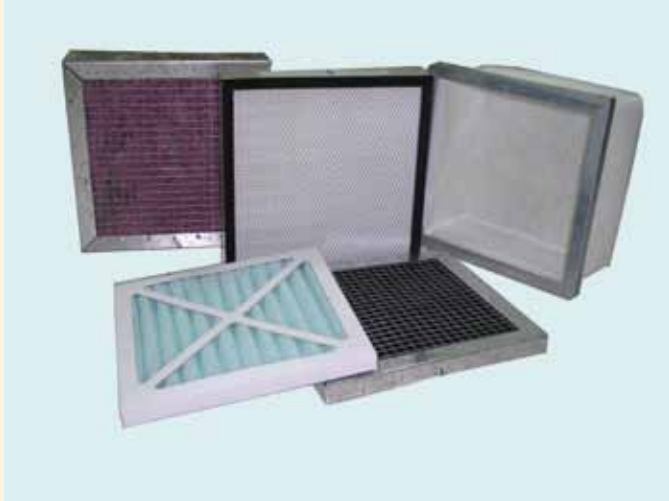
Table Bracket with valve

● Standard filter(3inch type)



Model:	MFS-W	MFS-P
Size:	350(W)x320(D)x450(H)mm	
Max. Capacity:	13.6CMM(816 m ³ /hr)	
Filters:	Three-layers filter: ① MFS-Pre: Pre filters, to capture the larger litters and dust. ② MFS-Carbon: Activated carbon filter, 100% activated carbon fibers can effectively filter the unstable organic gas. ③ MFS-HEPA: HEPA filters (High Efficiency Particulate Air filter), can filter particulates above 0.5µm up to 95%.	
Noise Level:	65dB(A)	
Timer:	Digital timer with display light	
Air Flow Adjustment:	Three-stage switch	
Filter Housing:	PP material	
Extraction Arm:	PVC material, Ø50mm	PVC material, Ø75mm
Damper:	2sets, available to adjust the airflow	Non
Extraction Hood:	Ø150mm, aluminum material	Ø180mm, PP material
Cabinet Construction:	PP material	
Voltage/Frequency:	110V/220V, 60HZ	

■ Filters



- MFS-Pre: Pre filters, to capture the larger litters and dust.
- MFS-Carbon: Activated carbon filter, 100% activated carbon fibers can effectively filter the unstable organic gas.
- MFS-HEPA: HEPA filters (High Efficiency Particulate Air filter), can filter particulates above 0.5μm up to 95%.
- MFS-CP Blend: Chemical filters, can effectively remove organic gas, acidic gas and sulfur gas.
- MFS-Purafil: Non-organic gas filter, can effectively remove inorganic gas, acidic gas and sulfur gas.
- MFS-Purakol AM: Ammonia gas filters, can effectively remove alkaline gas, such as ammonia gas.
- MFS-Puracarb: Specific non-organic gas filter, effectively works for chlorinated gas and sulfur gas.
- MFS-Bag: Dust collection bag, ASHRAE rating 35~40%

Filters	Carbon	HEPA	Purafil	Purakol AM	Puracarb	Bag
Elimination			Acidic Gas	Alkaline Gas	Acidic Gas	
	Organic Gas		Inorganic Gas		Inorganic Gas	
			Sulfur Gas		Sulfur Gas	
		Particulates			Chlorinated Gas	Dust
H2S			●		●	
SO2	●		●		●	
SO3	●		●			
NO	▲		●			
NO2	▲		▲		●	
HCl			●		●	
C12					●	
O3					●	
NH3	▲			●		
Hydrocarbon	●			●		
Organic	●					
Particulates		●				
Dust						●

●: Effectively remove

▲: Partly remove

■ Bench Recessed Filtration System



In order to reduce the space occupied by the extraction equipment and allow staffs to carry out operations conveniently in the workplace, this special design comes complete with an extraction hood to be directly recessed into the bench and an extraction hose in connection with exhaust outlet and extraction system.

Specifications

A. Extraction Hood Body

1. Overall Dimension: $\text{Ø}213\text{mm}$
2. Material: SUS#304 Stainless
3. Connected Hose Size: 2 1/2"
4. Filter Mesh: There is a filter mesh inside the hood.
It is made of SUS#304 Stainless material.
It is easy to take off and replace.
5. Mounted Hole Size: $\text{Ø}200\text{mm}$



B. Slot Plate:

1. Overall Dimension: $\text{Ø}213\text{mm}$
2. Material: SUS#304 Stainless
3. Slot Range: $\text{Ø}180\text{mm}$
4. Width of Grid Gap: 10mm



C. Cover

1. Overall Dimension: $\text{Ø}213\text{mm}$
2. Material: SUS#304 Stainless

■ Mobile Fume Hood Filtration System



◎ Features:

- ※ Ductless design to avoid the inconvenience of construction.
- ※ No exhausting so that there is no consumption for the indoor air conditioner.
- ※ Low noise and high extraction capacity.
- ※ Simple closed-type extraction hood design for more efficient to collect dust and to remove microparticles.
- ※ It is simple and convenient for clearance and maintenance by using filtration system to remove and collect dust or microparticles.
- ※ Dimensions can be modified and customized according to requirement.

Including:

1. Mobile Filtration System

Model : MFS-N1-M / N2-M

* Size: 400(W)x450(D)x570(H)mm/650(W)x500(D)x850(H)mm

* Max. Capacity: 17CMM(1020m³/hr)/25CMM(1500m³/hr)

* Filters: Three-layers filter:

- ① MFS-Pre: Pre filters, to capture the larger litters and dust.
- ② MFS-Carbon: Activated carbon filter, 100% activated carbon fibers can effectively filter the unstable organic gas.
- ③ MFS-HEPA: HEPA filters (High Efficiency Particulate Air filter), can filter particulates above 0.3μm up to 99.99%.

- * Noise Level: 70dB(A)/73dB(A)
- * Timer: Digital timer with display light
- * Filter Housing: PP material
- * Connected Hose Size: 3in or 4in.
- * Cabinet Construction: PP material
- * Voltage/Frequency: 1Φ, 110V/220V, 60HZ

2. Extraction Hood

- ◎ Size: 900(W)x450(D)x500(H)mm
- ◎ Material: 8mm, PMMA
- ◎ Sash: Lift-up 3 panel type
- ◎ Exhaust Outlet: 3in or 4in

※ Optional Accessories:

1. Stainless steel work bench

- ◎ Size: 950(W)x500(D)x700(H)mm
- ◎ Material: SUS304# Stainless
- ◎ Attach with alignment pins

Mobile Fume Hood Filtration System



Including:

1. Mobile Filtration System

Model : MFS-N3-M

- * Size: 800(W)x650(D)x1100(H)mm
- * Max. Capacity: 30CMM(1800m³/hr)
- * Filters: Three-layers filter:
 - ① MFS-Pre: Pre filters, to capture the larger litters and dust.
 - ② MFS-Carbon: Activated carbon filter, 100% activated carbon fibers can effectively filter the unstable organic gas.
 - ③ MFS-HEPA: HEPA filters (High Efficiency Particulate Air filter), can filter particulates above 0.5μm up to 95%.
- * Noise Level: 75 dB (A)
- * Timer: Digital timer with display light
- * Filter Housing: PP material
- * Connected Hose Size: 6in.
- * Cabinet Construction: PP material
- * Voltage/Frequency: 3Φ, 220V, 60HZ

2. Extraction Hood

Model: BCH-90

- ◎ Size: 900(W)x660(D)x1825(H)mm
- ◎ Material: 6mm anti-corrosion solid chemical board
- ◎ Sash: Lift-up 3 panel type
- ◎ Exhaust Outlet: 6in

◎ Features:

- ※ Ductless design to avoid the inconvenience of construction.
- ※ No exhausting so that there is no consumption for the indoor air conditioner.
- ※ Low noise and high extraction capacity.
- ※ Simple closed-type extraction hood design for more efficient to collect dust and to remove microparticles.
- ※ Closed type lift-up front panel design can effectively avoid pollutants from leaking to the outside and ensure a better extraction effect.
- ※ Special auxiliary-air design can effectively guide the pollutant to discharge into the upper exhaust port.
- ※ It is simple and convenient for clearance and maintenance by using filtration system to remove and collect dust or microparticles.
- ※ Dimensions can be modified and customized according to requirement.

※ Optional Accessories:

1. Base Cabinet

- ◎ Size: 905(W)x660(D)x825(H)mm
- ◎ Material: Steel plate with painting
- ◎ Attach with alignment pins



■ Simple Type Fume Hood

◎ Features:

- ※ Simple and lightweight design, strong frame structure of SUS#304 Stainless. The separation of upper/base cabinet designs are easy and convenient to move and install.
- ※ Fume hood with damper device can control the airflow by adjusting the damper switch.
- ※ Special lift-up sash and leak-proof structure design can effectively avoid exhaust from leakage and achieve a good emission effect.
- ※ Special magnetic sash position device is simple to operate, when the sash is opened, it will be fixed on the upper side.
- ※ Special auxiliary-air design can effectively guide the pollutant to discharge into the upper exhaust port.
- ※ Dimensions can be modified and customized according to requirement.

Model	BCH-90	BCH-120	BCH-150
Size (WxDxH mm)	900x660x1825	1200x660x1825	1500x660x1825
Hood Body	6mm anti-corrosion solid chemical board		
Work Surface	1/2" anti-corrosion solid black chemical board		
Frame Structure	SUS#304 Stainless		
Sash	Lift-up 3 panel type, PVC material		
Hinge	PP material, acid and alkali resistance		
Side Window	Size: 350(W) x500(H)mm, acrylic material		
Damper	6" ABS material		
Optional Accessories			
Base Cabinet	BCH-90B	BCH-120B	BCH-150B
Lighting	14Wx1, T5	14Wx1, T5	28Wx1, T5



■ Simple Type Fume Hood

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- ※ Simple and lightweight design, strong frame structure of SUS#304 Stainless. The separation of upper/base cabinet designs are easy and convenient to move and install.
- ※ Fume hood with damper device can control the airflow by adjusting the damper switch.
- ※ Special lift-up sash and leak-proof structure design can effectively avoid exhaust from leakage and achieve a good emission effect.
- ※ Special magnetic sash position device is simple to operate, when the sash is opened, it will be fixed on the upper side.
- ※ Special auxiliary-air design can effectively guide the pollutant to discharge into the upper exhaust port.
- ※ Dimensions can be modified and customized according to requirement.

* Optional Accessories

1. Base Cabinet

Model	BCH-90B	BCH-120B	BCH-150B
Size (WxDxH mm)	905x660x825	1205x660x825	1505x660x825
Frame Structure	Strong frame structure, convenient to install and remove.		
Alignment Pins	Allow to adjust the height up to 3cm		
Base Cabinet	Body	Made of galvanized steel sheet with painting.	
	Flame Resistant	Galvanized steel sheet material, whole body is fame resistant.	
	Door Panel	Made of galvanized steel sheet with painting, color can be customized.	
	Shelf	Can adjust the height.	
	Suspension Design	The special suspension design can be assembled and disassembled which is convenient for relocating or changing the cabinet construction based on different needs.	

2. Lighting

Model	BCH-90I	BCH-120I	BCH-150I
Light Source	14Wx1		28Wx1
Size (WxDxHmm)	578x28x48		1178x28x48
Lamp Type	T5, with PC lampshade		
Voltage	110V/220V		



■ Filtered Fume Hood

Model: MFH-900

Size: 900(W)x550/700(D)x1450(H)

Hood Body: 6mm anti-corrosion solid chemical board

Work Surface: 1/2" anti-corrosion solid black chemical board

Max. Capacity of Fan: 17CMM(1020m³/hr)

Filters: Three-layers filter:

- 1.MFS-Pre: Pre filters, to capture the larger litters and dust.
- 2.MFS-Carbon: Activated carbon filter, 100% activated carbon fibers can effectively filter the unstable organic gas.
- 3.MFS-HEPA: HEPA filters (High Efficiency Particulate Air filter), can filter particulates above 0.5μm up to 95%.

Noise Level: 70dB(A)

Timer: Digital timer, for learning about the filter condition

Filter Housing: PP material

Sash: Lift-up 2 panel type, PVC material

Hinge: PP material, acid and alkali resistance

Side Window: Size 350(W) x500(H)mm. acrylic material

Lighting: 14W, T5

Anti-explosion Design: Special isolated circuit wiring design, no direct contact with polluting exhaust to ensure safety.

Voltage/Frequency: 110V/220V. 60HZ

Features: We provide a variety of filters, you can choose the filters depends on the characteristics of the contaminated gas, or you can also refer to the filter type instructions marked on the top of the unit.

* Optional Accessories

1.Fume Hood

Model:MFH-900-B

Size: 900(W) x680(D)x880(H)mm

Material: Steel frame structure with a painting exterior

2.Base Cabinet

Model:MFH-900-BC

Extraction Arm System



Model : EAW-2



Model : EAT-2



Model : EAR-4R

Model	EAW-2	EAT-2
Bracket	Wall bracket including valve and reducer	Table bracket including valve 、 reducer and clamp
	Size : 212Lx134Wx32H mm	Size : 225Lx134Wx12H mm
		Two sets ⊃ type clamp
Flexible Hoses	No joint need to adjust	
	Pipe diameter ϕ 50 mm	
	Pipe material PVC	
	Pipe length 900 mm	Pipe length 1000 mm
Reducer	Black plastic material	
Vent DIM	2 ¹ / ₂ "	
Pipe Features	Flexible hoses adjusted the arm to the suitable position where harmful substances are present in dangerous concentrations. Operation and maintenance of the arm is easy. It can be adjusted to a new position and dismantled for cleaning without the need of tools. Top of the pipe can be revolvable freely.	
Hood	ϕ 150 mm dia	
	Aluminum with anodised process	
Features	Hood is easy to clean	

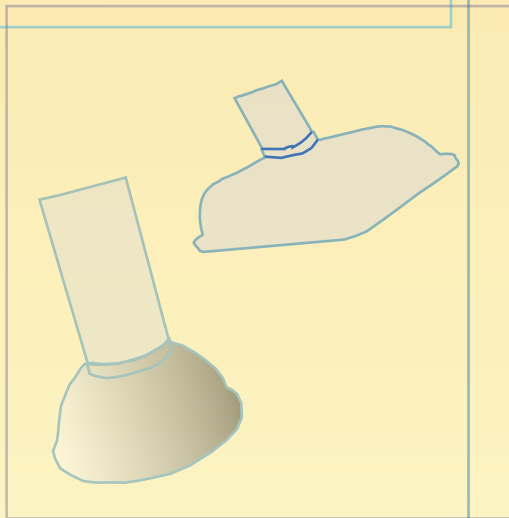
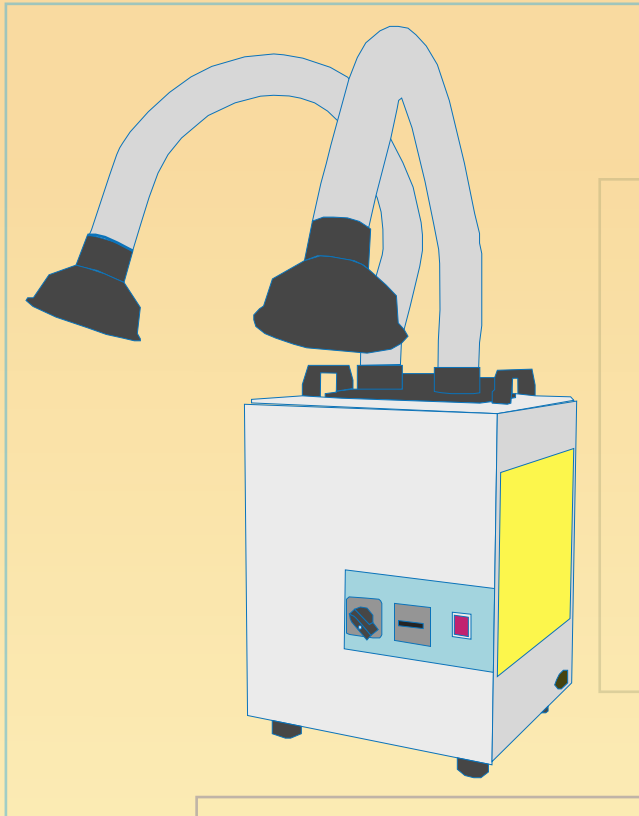
Model	EAR-3R	EAR-4R
Ceiling Column	Ceiling Column includin reducer	
	100Lx100Wx750H mm	125Lx125Wx750H mm
3-joint	There are 3 valves upon 3-joint extraction arm	
Extraction Arm	ϕ 75mm dia	ϕ 100mm dia
	Pipe material PVC	
	Effective exhaust range about ϕ 150cm	
Reducer	Reducer material PP	
Pipe Feature	Each valve can easily adjusted the arm to the suitable position where harmful substances are present in dangerous concentrations. Operation and maintenance of the arm is easy. It can be adjusted to a new position and dismantled for cleaning without the need of tools. Top of the pipe can be revolvable freely.	
Round/Square Hood	ϕ 390mm dia	390mm x 390mm
	Hood material PP or PC	
Feature	Easy to clean and chemically resistant well.	

Extraction Arm System



Model	EAR-3W	EAR-3W-AL
Bracket	Wall bracket including reducer	
	Size : 216Lx135Wx134H mm	
3-joint Extraction Arm	There are 3 valves upon 3-joint extraction arm	
	ϕ 75mm dia	
	Pipe material PVC	Pipe material Aluminum
	Effective exhaust range about ϕ 150cm	
Reducer	Reducer material PP	
Pipe Feature	Each valve can easily adjusted the arm to the suitable position where harmful substances are present in dangerous concentrations. Operation and maintenance of the arm is easy. It can be adjusted to a new position and dismantled for cleaning without the need of tools. Top of the pipe can be revolvable freely.	
Round Hood	ϕ 390mm dia	ϕ 220mm 或 ϕ 330mm
	Hood material PP	Hood material Aluminum
Feature	Hood is easy to clean	

Model	EAR-2W(S)	
Bracket	Wall bracket including reducer	
	Size : 191Lx110Wx124H mm	
2-joint Extraction Arm	There are 2 valves upon 2-joint extraction arm	
	ϕ 50mm dia	
	Pipe material PVC or Aluminum	
	Effective exhaust range about ϕ 100cm	
Reducer	Reducer material PP	
Vent DIM	2"	
Pipe Feature	Each valve can easily adjusted the arm to the suitable position where harmful substances are present in dangerous concentrations. Operation and maintenance of the arm is easy. It can be adjusted to a new position and dismantled for cleaning without the need of tools. Top of the pipe can be revolvable freely.	
Round Hood	ϕ 220mm or ϕ 80mm dia	
	Hood material PP or Aluminum	
Feature	Hood is easy to clean	



Distributor

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