



# MY DUST COLLECTORS FOR YOUR PROBLEM



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# Compact Structure for Use in A Small Space of the Factory

**USE**

Mixing, Inputting Powder, Processing Board, Bagging, Metal Processing, Inputting Air-supply, Sanding, Cutting Cast Iron Ware, Blending, Drilling, Severing, Cutting, Crashing, Cutting Stone



AP-300

## CARTRIDGE TYPE DUST COLLECTOR

**CHARACTERISTIC**

**FILTER**

Available to collect minute dust due to large face of filter adopting cartridge type. Easily changeable compact structure using unitary filter.

**CONTROL PANEL**

Enhanced acknowledgement quality by centralized intensive built-in type.

**MANOMETER**

To easily grasp the situation of dust accumulation makes easily knowing the time to change filter.

**CONTINUAL WORKING**

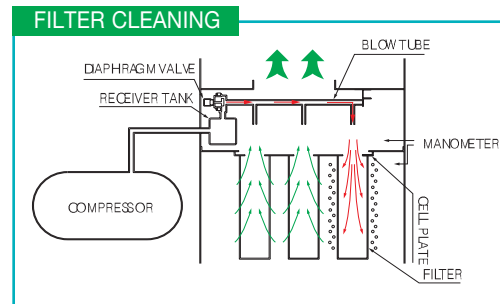
Possible to work for 24hours as automatically shaking dust off in working of dust collector.

**FILTER CLEANING**

High efficiency of shaking even minute dust off, attached at cartridge filter, as spreading air surrounded by automatic injection of pressed air through BLOW TUBE in operating of PULSE TIMER.

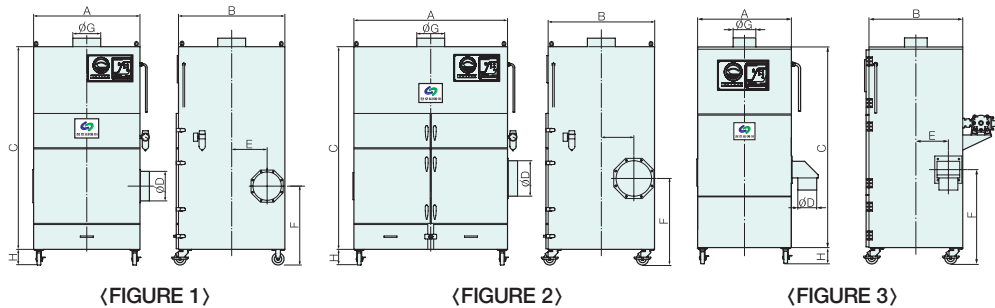
**TURBO BLOWER**

Realized vibration-free and low-noise as increasing absorption power with decreasing idling weight and starting load on account of applying the domestic beginning of aluminum alloy, and as working with ultra-precision press mold and electronic balancing.



Patent Applied  
0295162

## STANDARD DIMENSION



AP-1000/OD

VACUUM CLEANER  
ATTACHED TYPE  
APV Series



AP-750



AP-1000 / OD



AP-1500 HR / PF / OD



AP-300/FA(3)  
(FLEXIBLE ARM ATTACHED)



API Series  
BASKET TYPE

## SPECIFICATION

TYPE	AP-100	AP-200	API-200	AP-300	AP-500	AP-750	AP-1000	AP-1500	AP-2000	AP-3000																						
POWER	220V 1P, 220/380/415/440V 3P 50Hz, 60Hz(OPTION)			220/380/415/440V 3P 50Hz, 60Hz(OPTION)																												
MOTOR(KJ/s)	0.75			1.5		2.2		4.0		5.5		4.0 × 2SET		5.5 × 2SET		7.5 × 2SET		11 × 2SET														
VOLUME OF WIND(m <sup>3</sup> /min)	0	7	13	0	20	35	0	20	35	0	35	55	0	55	65	0	70	120	0	90	130	0	130	180	0	200	250	0	280	330		
CONSTANT PRESSURE(kPa)	1.76	1.58	0.74	2.06	1.76	1.08	2.06	1.86	1.18	2.45	2.25	1.47	2.65	2.25	1.47	2.75	2.25	1.57	2.75	2.35	1.57	2.75	2.45	1.76	2.75	2.45	1.86					
CARTRIDGE FILTER	SIZE(W × L × P)		ø 145 × 500L × 75P			ø 145 × 500L × 75P			ø 145 × 500L × 75P			ø 145 × 500L × 75P			ø 145 × 800L			ø 165 × 800L × 65P														
	QUANTITY		4			6			9			12			18			24			32											
	FILTRATION SIZE(m <sup>2</sup> )		7.5			11.25			13.5			16.87			22.5			33.75			45			72			100			133.2		
	FILTRATION SPEED(m/min)		0	0.9	1.7	0	1.8	3.1	0	1.5	2.6	0	2	3.3	0	2.4	2.9	0	2	3.6	0	2	2.9	0	1.8	2.5	0	2	2.5	0	2.1	2.5
MATERIALS		POLYESTER																														
SHAKING DUST OFF		TYPE OF AUTO AIR PULSE																														
NUMBER OF SOLENOID VALVES		2			3			4			6			8																		
VOLUME OF AIR CONSUMPTION(N l /min)		20			35			40			60			80			100															
SIZE	A (mm)	520	620	620	620	750	850	1,290	1,700	1,700	1,950	2,010																				
	B (mm)	520	620	620	620	750	850	900	900	950	1,000	1,250																				
	C (mm)	1410	1570	1890	1635	1675	1880	1750	2090	2195	2290																					
	ø D(mm)	150	200	200	250	250	300	350	400	500	600																					
	E (mm)	165	190	190	225	225	275	250	250	230	305																					
	F (mm)	628	698	880	698	698	735	710	860	870	870																					
	ø G(mm)	150	200	200	300	300	350	400	450	550	650																					
	H (mm)	128	128	122	128	128	160	160	160	160	160																					
CAPACITY OF DUST BOX( l )		16			45			20			65			80			100			130			170									
APPROX. WEIGHT(Kg)		165			220			210			300			380			490			580			720			940			1450			
FIGURE		FIGURE 1			FIGURE 3			FIGURE 1			FIGURE 2																					

● This Specification is based on 60HZ motors & Clean Filters, ● This Specification shall be changeable without notice in order to improve capability.



## Compact Structure for Use in A Small Space of the Factory

### USE

Grinding, Bagging, Inputting Powder, Sandpapering, Severing, Drilling, Cutting, Mixing, Acryl Processing, Crashing, Cutting Cast Iron Ware

# BAG FILTER TYPE DUST COLLECTOR



## CHARACTERISTIC

### TURBO BLOWER

Realized vibration-free and low-noise as increasing absorption power with decreasing idling weight and starting load on account of applying the domestic beginning of aluminum alloy, and as working with ultra-precision press mold and electronic balancing.



### CONTROL PANEL

Enhanced acknowledgement quality owing to integrating on-off switch and manometer by centralized intensive method.

### MANOMETER(AUTOMATIC TYPE ATTACHED)

- Noticing the situation of filter in collecting dust.
- Noticing the time of shaking dust off and changing filter.

### FILTER

- Available to collect minute dust due to large face of filter adopting rectangular plain surface.
- Possible to adopt various filters suitable for character of dust
- Easily changeable, compact one bodied type

### DUST BOX

- 'Dust Box' under the Dust Collector is easy to collect dust as easily changeable sliding type.

### TYPE OF SHAKING DUST OFF

- Automatic (M type): Silent and powerful Automatic Vibration built-in timer, if pushing the starting button, it would efficiently shake dust off soon and be free from damage of device by long time use.
- Manual (H type): Shake 'SHAKING HANDLE' to eliminate dust. This type shall be free from being out of order and economical.



\* Registration of Design  
(0399271)

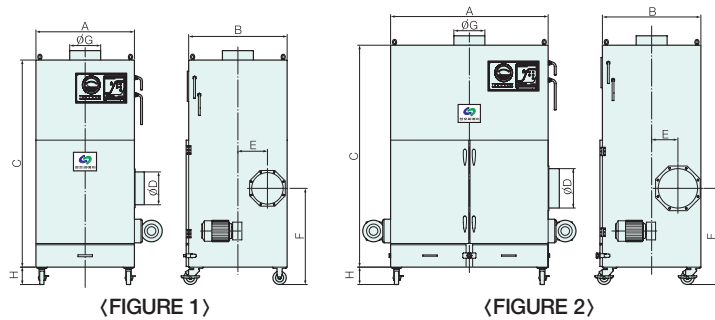


MS-50H

### BAG FILTER SET

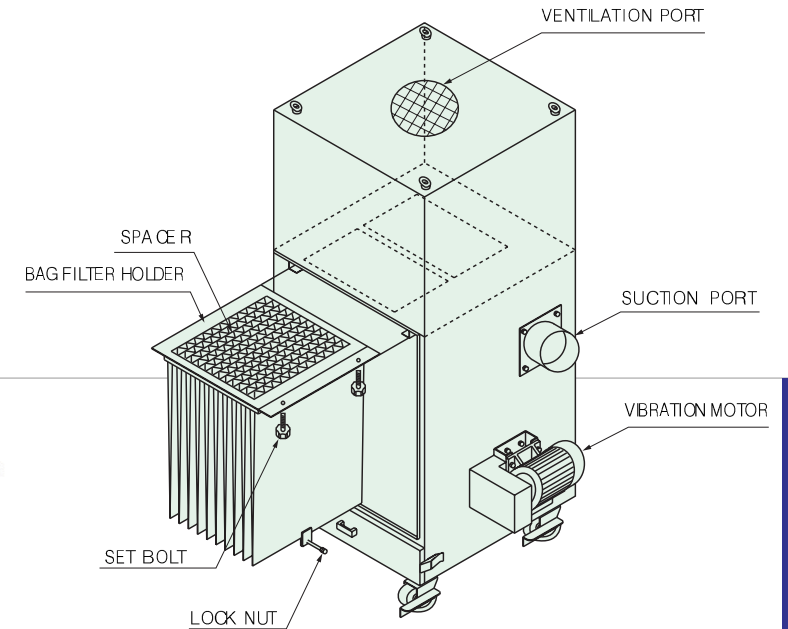


## STANDARD DIMENSION



Patent applied  
0235162

VACUUM CLEANER  
ATTACHED TYPE  
MSV Series



MS-1000H



MS-300H



MS-500H/FA(2) (FLEXIBLE ARM ATTACHED)

MS SERIES

## SPECIFICATION

TYPE	MS-50	MS-100	MS-200	MS-300	MS-500	MS-750	MS-1000	MS-1500			
POWER	220V 1P, 220/380/415/440V 3P 50Hz, 60Hz(OPTION)				220/380/415/440V 3P 50Hz, 60Hz(OPTION)						
BLOWER	VOLUME OF WIND(m <sup>3</sup> /min)		0 6 10	0 7 13	0 20 35	0 35 55	0 55 65	0 70 120	0 90 130	0 130 180	
	CONSTANT PRESSURE(kPa)		1.72 1.62 0.64	1.76 1.57 0.74	2.06 1.76 1.08	2.06 1.86 1.18	2.45 2.25 1.47	2.65 2.25 1.47	2.75 2.25 1.57	2.75 2.35 1.57	
	MOTOR(kJ/s)		0.75		1.5	2.2		4.0	5.5		
BAG FILTER	SIZE(W×L)		420×200		420×600		640×650				
	QUANTITY(POCKET)		8		7	14		15	20		
	FILTRATION SIZE(m <sup>2</sup> )		1.6		3.6	7.1		12.5	16.7		
	MATERIALS		POLYESTER WOVEN FABRIC								
	SHAKING DUST OFF		MANUAL			MANUAL / MOTOR SHAKING					
SIZE	A (mm)		450		520	620		750	750		
	B (mm)		520		520	620		750	750		
	C (mm)		755		1260	1350		1512	1557		
	ø D(mm)		100		150	200		250	250		
	E (mm)		185		165	190		225	225		
	F (mm)		348		760	760		883	883		
	ø G(mm)		125		150	200		300	300		
	H (mm)		68		128	128		128	128		
SHAKING MOTOR(OPTION)	-		0.2KJ/s × 1SET				0.2KJ/s × 2SET				
CAPACITY OF DUST BOX( l )	9		16		23	65		100	130		
APPROX. WEIGHT(Kg)	50		100		135	180		190	320		450
FIGURE	FIGURE 1						FIGURE 2				

● SHAKING UNIT OF MS750-MS1500 is attached to each left and right side. ● FILTER OF MS750-MS1500 consists of 2SETS. ● The weight is standardized on AUTOMATIC TYPE. ● The wire of power is four-string CAB DIA cable attached 3M.  
● This Specification is based on 60HZ motors & Clean Filters. ● This Specification shall be changeable without notice in order to improve capability.



# Powerful Absorption Force, Easy Moving, Convenient Structure for Workers

**USE**

ARC Welding, CO<sub>2</sub> Welding, MAG Welding, GOUGING, Special Welding Etc. Making FUME Work.

Freely moving to be fixed Flexible Arm (φ150×2m/3m)

## WELDING FUME ELIMINATOR

### CHARACTERISTIC

**ARM**

Using unrestricted moving 'FLEXIBLE ARM', it can enhance health and efficiency of worker due to absorbing FUME from producing source.

**STRONG POWER OF ABSORPTION**

- Attached TURBO BLOWER for exclusive use of FUME.
- High safety in adoption of anti-overload circuit to prevent damage to MOTOR.

**CONTROL PANEL**

Compact and Easy to use in adoption of centralized intensive type built-in.

**SILENT OPERATING**

Minimized noise by regularly inducing and spreading air-flow of BLOWER to the exit of latticed shape.

**OPTION**

- TWO ARMs attached and STAND types are available according to condition of working.
- The option for strong elimination function of fume by activated carbon fiber filter is available. place from flying away by inducing the exit direction upward.
- The Compact body, easy to carry, doesn't need large space.

**MOBILITY**

Easy to carry due to large wheels and hand-carrier attached.



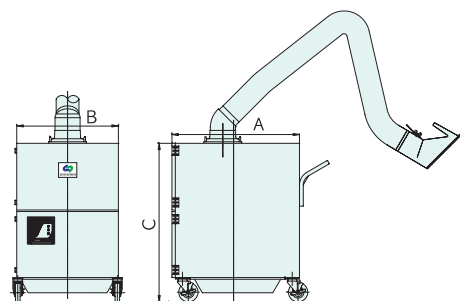
※ Registration of Design (0399271)



Convenient to move

Compact size to use in a small area

## STANDARD DIMENSION



CO<sub>2</sub>/MAG Welding



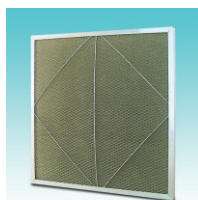
ARC Welding



GOUGING

## FUNCTION

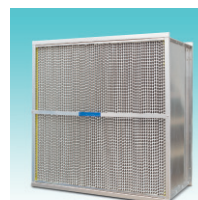
### 1 FILTER



#### 1ST FILTER

• PANEL TYPE PRE FILTER filtrates flowing-in flame and thick particles with FUME GAS in welding.

• Washable and reusable FILTER of stainless filter media is economical.



#### 2ND FILTER

MEDIA TYPE FILTER uses highly pure filter media on the surface. It can perfectly collect harmful minute particles over 99.74% of 0.3mm particle-size(as HOT DOP TEST), and its filtering layers are thick and its tensile strength of MEDIA is so high that it can prevent decreasing collecting dust function. (Issued Testing Results of Filter for Fume Collector from FITI TESTING & RESEARCH INSTITUTE.)



#### 3RD FILTER(OPTION)

Activated carbon fiber filter is activator that consists of poly-crystal structured high molecular compound. It has high efficiency of absorption and strength, and doesn't make secondary pollution because of not easily weathering. It is highly acid-resistant and alkali-tolerant, and lasts long.

### 2 Way of Collecting Dust

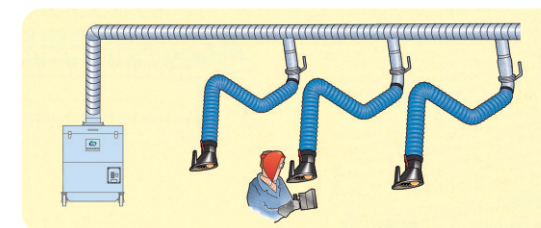


▲ Collected Fume

#### Way of Collecting Dust

According to the way of accumulating dust between Filter Media, you can draw out the filter and shake dust off to AIR or contrary direction.

### 3 Application of FUME COLLECTOR



Centralized Intensive Structure

## SPECIFICATION

TYPE		CHB-200			CHB-300			CHB-500		
DIMENSION	LENGTH(A)	770			790			840		
	WIDTH(B)	670			670			670		
	HIGHT	STANDARD(C)	955			995			1045	
With OPTION		1255			1295			1345		
FAN MOTOR	MOTOR(KJ/s)	1.5KJ/s × 2P			2.2KJ/s × 2P			4.0KJ/s × 2P		
	POWER	220V 1P, 220V/380V 3P 50Hz, 60Hz(OPTION)			220/380/415/440V 3p 50Hz, 60Hz(OPTION)					
FLEXIBLE ARM	LENGTH / QUANTITY	2m × 1 SET			3m × 1 SET			3m × 2 SET		
	DIAMETER				ø 150mm					
FILTER	FILTRATION EFFICIENCY				99.74%					
	FILTRATION SIZE				19.3m <sup>2</sup>					
	SHAPE				MEDIA TYPE CARTRIDGE					
TURBO FAN	VOLUME OF WIND(m <sup>3</sup> /min)	0	20	35	0	35	55	0	55	65
	CONSTANT PRESSURE(kPa)	2.06	1.76	1.08	2.06	1.86	1.18	2.45	2.25	1.47
APPROX. WEIGHT(INCLUDING FILTER, ARM)		ABOUT 70Kg			ABOUT 74Kg			ABOUT 83Kg		

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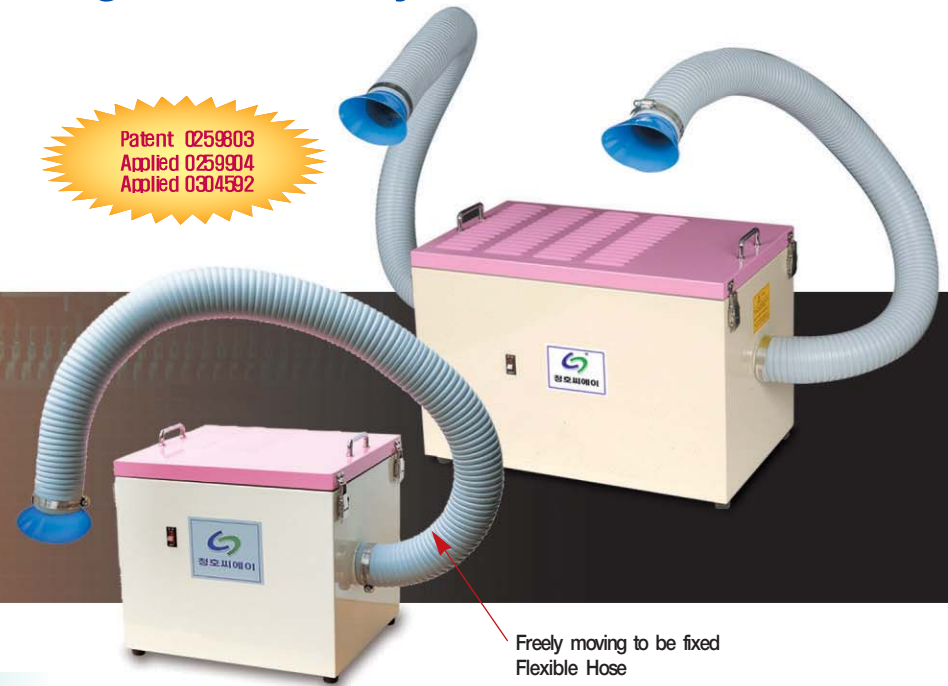


# Duct Connected Low Noise / High Efficiency Collector

## USE

- Elimination of Lead Smoke and Fume in Soldering Electric and Electronic Parts.
- Elimination of Fume in Laser Marking and Cutting.
- Elimination of Reek of Chemicals in School, Research Institute, Lab.
- Elimination of Dust in Grinding and Carving Precious Metal.
- Elimination of Dust from Mixer of Pharmacy.

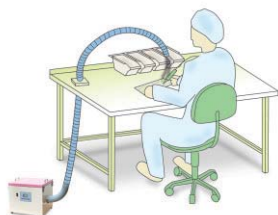
Patent 0259803  
Applied 0259904  
Applied 0304592



# SOLDERING SMOKE & FUME COLLECTOR

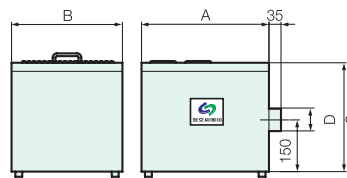
## CHARACTERISTIC

- Perfect absorption of particles of fume owing to combination of activated carbon fiber filter and granular activated carbon.
- Extension of expected life of activated carbon filter in adoption of triple filter, perfectly collecting 99.997% of minute particles over 0.3 $\mu$ m.
- Equipment on the table is available due to beautiful shape and compact size.
- Silent operating from perfect anti-noise measure.

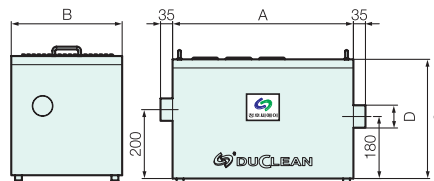


(INSTALLATION EXAMPLES)

## STANDARD DIMENSION



(FIGURE 1)



(FIGURE 2)

TYPE	ZF-100	ZF-300	ZF-500	
POWER	220V 1P 50Hz, 60Hz(OPTION)			
BLOWER	VOLUME OF WIND(m <sup>3</sup> /min)	0 1.8 3.5	0 5 7 0 7 15	
	CONSTANT PRESSURE(kPa)	0.25 0.25 0	0.34 0.16 0 0.59 0.29 0	
	MOTOR	43J/s	180J/s	340J/s
1st FILTER	PRE FILTER(305 × 305 × 20)			
2nd FILTER	H.E.P.A FILTER(305 × 305 × 75)			
3rd FILTER	ACTIVE CARBON			
SIZE	A (mm)	370	460	525
	B (mm)	322	322	322
	C (mm)	316	316	346
	ø D (mm)	65	65	65
MULTI-REFRACTIVE HOSE	ø 65 × 800L × 1	ø 65 × 1000L × 1	ø 65 × 1000L × 2	
WEIGHT(Kg)	10	12	20	
SOUND LEVEL(DB±2)	35±2	48±2	55±2	
FIGURE	FIGURE 1		FIGURE 2	

• This Specification is based on 60Hz motors & Clean Filters, • This Specification shall be changeable without notice in order to improve capability.