



# Fume Eliminator Widely Covers Laser / Plasma Processor to General Welding, Severing etc.

**USE**

Laser Processor / Plasma Processor  
 Gouging Cast Iron and Cast Steel  
 Welding, Processing Severing Metal and Working of Making Fume



## FUME ELIMINATOR

**CHARACTERISTIC**

**HIGH STRENGTH ALUMINUM ALLOY TURBO IMPELLER**

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.



**FULL AUTOMATIC FILTER CLEANING MAKES IT POSSIBLE CONTINUAL OPERATING FOR 24 HOURS!**

Continually operating for 24 hours is owing to continuously shaking dust attached at cartridge filter off by automatic injection of pressed air to internal cartridge filter through timer built-in.

**CONTROL PANEL**

Enhanced acknowledgement quality by centralized intensive built-in type.

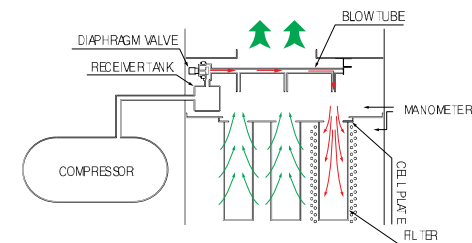
**PRE-DUSTER**

**SPARK SUBSIDING DEVICE**

It is used when spark occurs during cutting, grinding and processing jobs. It subsides the spark to prevent it from being inserted into filter.

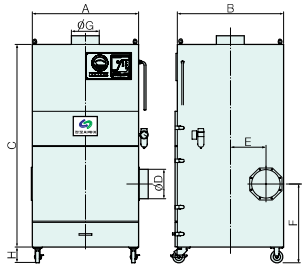


**FILTER CLEANING**

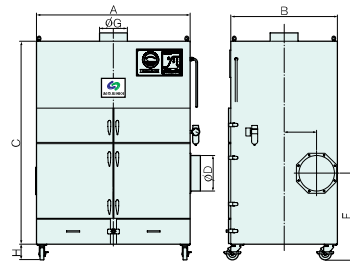


※ In case of direct suction of flame, it is necessary to install PRE-DUSTER

## STANDARD DIMENSION



(FIGURE 1)



(FIGURE 2)



FUME & Minute  
dust Type Filter

### Calcium Carbonate Supply Equipment(OPTION)

- Supplying equipment as high performance of collecting and manufacturing device, prevents fire and increases efficiency of shaking dust off,
- Space of establishment without limit results in possibility of long distant input,
- Lack of collecting- manufacturing is noticed in advance with level gauge and alarming lamp,
- Operating connected with dust collector is available
- In case of flame flowing-in directly, equip PRE DUSTER(flame sinking set),
- Applying work that makes FUME,



PCI-30



Laser



Plasma



Laser

## SPECIFICATION

TYPE	FC-100	FC-200	FC-300	FC-500	FC-750	FC-1000	FC-1500		
POWER	220V 1P, 220V/380V 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 × 2		
VOLUME OF WIND(m <sup>3</sup> /min)	0	7	13	0	20	35	0		
CONSTANT PRESSURE(kPa)	1.76	1.57	0.74	2.06	1.76	1.08	2.06		
FILTER	SIZE(W × L)		ø 165 × 650L		ø 165 × 800L		ø 165 × 1000L		
	QUANTITY		6		9		12		
	FILTRATION SIZE(m <sup>2</sup> )		23.4		43.2		57.6		
	FILTRATION SPEED(m/min)		0	0.3	0.6	0	0.5	0.8	
	MATERIALS		POLYESTER						
SHAKING DUST OFF		TYPE OF AUTOMATICS AIR PULSE							
NUMBER OF SOLENOID VALVES	3		4		6		8		
VOLUME OF AIR CONSUMPTION(N l /min)	20		20		35		40		
SIZE	A (mm)	620		750		850		1340	
	B (mm)	620		750		750		870	
	C (mm)	1580		1935		1975		2020	
	ø D(mm)	150		200		200		250	
	E (mm)	190		225		225		285	
	F (mm)	698		728		928		995	
	ø G(mm)	200		200		250		300	
	H (mm)	128		128		128		160	
CAPACITY OF DUST BOX( l )	45		65		80		100		
APPROX.WEIGHT(Kg)	210		280		350		460		
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,