

SCHNEIDEN - SPANNEN - SCHWEISSEN IN PERFEKTION

PA-1000FS (220V/50HZ) Fume Extractor

User Manual

- 1. Fume extraction system character**
- 2. Main technical parameters**
- 3. Control system operating guide**
- 4. Machinery installation instruction**
- 5. Filter replacement guide**
- 6. Attention**
- 7. Package list**

1. Fume extraction system character

PA-1000FS fume extractor can be used on medium power laser cutting, engraving, marking, coding and welding equipment to filtrate laser fume & toxic gas. Strict welding and painting technology achieve to high tightness and corrosion resistance cabinet. Specific sound absorbing materials reduce operating noise to improve operation efficiency. European imported low-power blower, new high pressure technology, small size, brushless design & electronic speed adjustment. It can effectively absorb particle and extend filter life of less power.

PA-1000FS filtration system consist of three parts, they are F5 class pre-filter, HEPA main filter and gas filter. F5 class pre-filter comprised by cotton and metal mesh, can be adsorbed middling particles in the air to avoid main filter is blocked. Main filter consists of efficient HEPA element, in independent tests, these filters remove 99.997% of all particles above 0.3 microns and 95% down to 0.01 micron. Gas filter layer formed by the chemical materials can effectively remove harmful gases and pungent odor in the air.

After multi-stage dust filtration, can be directly emitted in the room without expensive & complex exhaust project. The indoor temperature can be stability, and save energy. There is no indoor negative pressure to maintaining the air cleanliness.

2. Main Technical Parameters

Filter Elements Data		
Item	Technical Data	Remark
Primary-filter	G3 class	Non-woven pad
Pre-filter	F8 class	Bag Filter
Main-filter	HEPA glass fiber	Filter can remove 99.997% of all particles above 0.3 microns and 95% down to 0.1 micron.
Gas-filter	Active carbon	Chemical molecular, Oxidant & Active carbon adsorb noxious gas.
Average filtration rate	≥99.7%	It will be a little fluctuation according to different materials.

Blower Technical Data		
Item	Technical Data	Remark
Max. air flow	1000m ³ /h	/
Input capacity	750W	Low capacity
Air pressure	2300pa	Middle pressure
Running sound	≤70dBA	/
Input power	220V, 50Hz	/

Equipment Data		
Item	Technical Data	Remark
Fume inlet	100mm	/
Machine weight	90KG(N.W.)	Machine with all elements
Dimension	500×520×1200mm	Machine size

3. Control system operation guide



Presses down the power supply switch, light up green indicating lamp. It will twinkles moment, then become to continue lighten, the machine starts work.

4. Machine installment

(1). Power source connection

Before connecting the power source, must confirm the electric voltage and frequency match with the equipment rated standard.

(2). Wind pipe connection

The wind pipe and equipment connection needs to seal suitably, to avoid the pipe folding to affect air current.

5. Filter element replacement

After the filters elements used a period, we need to clean or replace them. At first, we must wear the protective glove & mask.

A. Replace primary-filter :

Wears the glove and protection mask. → Opens hasp on the cabinet. → Take out the pre-filter. → Put in the new pre-filter. → Lock the screw.

B. Replace pre-filter :

Wears the glove and protection mask. → Opens hasp on the cabinet. → Take out the pre-filter. → Put in the new pre-filter. → Lock the screw.

B. Replace main-filter:

Wears the glove and protection mask. → Opens hasp on the cabinet. → Take out the main filter bed. → Put in the new main filter. → Lock the screw.

C. Replace gas-filter:

Wears the glove and protection mask. → Opens hasp on the cabinet. → Takes out the chemical filter. → Put in the new chemical filter → Lock the screw.

6. Attention :

- (1). Have to uses 220V,50Hz power source and good earth connection.
- (2). Turn off the power source after long time out of work.
- (3). Do not put this equipment in the direct sunlight place to avoid the cabinet possibly causes distorts or the machine unusual work.
- (4). Do not put it in moist and concentrated flammable gas environment to use.
- (5). Regardless of needs to move or replace, must wear protective glove and mask.

(6). Problem happening, turn off the power, note seller to send specialist to check it.

7. Package list:

- (1). Main machine: 1 unit (Filter: 4pcs)
- (2). Fume exhaust tube: 1 pc (Diameter: 150mm, Length: 2.0m)
- (3). Hoop iron: 2 pcs
- (4). User manual: 1 book



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