



## **LB-JZ Portable Welding Fume Extractor**

### **Operation place:**

Applied to purification of smoke and dusts produced by various of welding(arc welding, carbon dioxide arc welding, MAG welding, carbon arc gouging, gas welding, special welding and so on),polishing, cutting and grinding and recycle of rare metals and precious materials.

### **Working principles:**

Smoke produced in production are captured into mobile smoke purifier via extraction hood in the effect of fan attraction, will go through the first fire proof mesh in the air inlet of the smoke purifier first, the fire proof mesh will separate and intercept big particles and spark produced by grinding. The pre-filtered smoke will go through filtering fender who will intercept the particles and the left spark further, smoke and dusts after filtering will go into the filter cartridge(It uses imported coated polyester material, the separation rate can be up to 99.9%),the clean air is fed back to the workshop by standard after further purification of activated carbon filter cotton.

### **Advantages:**

1.Choose specialized turbine and imported brand motor, apply anti-overloaded circuit to protect the motor from burning out, it is with high security and stable working performance.

2.Reverse blowing device: cleaning the dusts by dismantling filter cartridge with hand, or by connecting air compressor semi automatically.

3.Equipped with versatile arm which can be used in a 360-degree radius, it can collect the smoke from the very beginning, improving the collection efficiency immensely and making the operators safe.

4.There are 3 protection measures in purifier for fire risk and large slag to make the purifier live longer and more secure.

5.Clean air will be evenly guided and dispersed from blow grids, lowering the noise most.

6.Equipped with specialized new Korean versatile castors with brake apparatus to make the purifier move and locate freely.

7.Consumable material in purifier is with stable performance to be changed conveniently.

#### Technical Parameters:

| Model      | Airflow(m <sup>3</sup> /h) | Voltage                                  | Power(kw) | Body size(mm) | Noise(dB(A)) |
|------------|----------------------------|--|-----------|---------------|--------------|
| LB-JZ1200  | 1200                       | 380V/50HZ<br>or<br>customer<br>requested | 1.1       | 650*550*1250  | ≤72          |
| LB-JZ1500  | 1500                       |  | 1.5       | 650*550*1250  | ≤72          |
| LB-JZ2400  | 2400                       |  | 2.2       | 650*550*1250  | ≤75          |
| LB-JZ3600  | 3600                       |  | 3.0       | 650*550*1250  | ≤75          |
| LB-JZ2400S | 2400                       |  | 2.2       | 650*550*1250  | ≤75          |
| LB-JZ3600S | 3600                       |  | 3.0       | 650*550*1250  | ≤75          |

The fume extractor can be equipped with 1 or 2 fume extraction arms, “S” represents the welding fume extractor has the double arms for two working stations. LB-JZ(D) back-flushing pressure is





## **Fume extraction arm**

### **LB-JYB wall mounted flexible fume extraction arm.**

Connection way: fix bracket connection (sealed by elastic rubber ring)

Hood shape: 1) cone hood 2) horseshoe hood 3) board hood 4) hat hood ,.

There is a volume damper in exhaust hood, other shaped can be customized

Length: 2m, 3m, 4m (over 4m need extension arm, the length can be up to 10m)

Diameter: 150mm, 160mm ,200mm (other size can be customized)

Material of outer pump: imported PVC steel wire pipe, anti-corrosion, temperature resistance up to 140 degree.

Frame materials: The spring is steel plated zinc, other metal parts and fasteners are all 304# stainless steel.

It uses imported PVC pipe with characteristic of acid resistance, alkali resistance and high temperature resistance up to 140 degree. It is light and has high strength, power assisted device . Components inside and hood frame use stainless steel which will be never rusty. It can move freely in 360-degree radius with a volume damper. Its good stretch and free movements

characteristic make it not only connect with various kinds of welding smoke purifiers but also installed on the wall or systems to cooperate with pipe for emission of smoke and dust. It is widely used in such industry as metal machining, welding smoke, component grinding, treatment of hot working oil mist, smell removing, dust removing and so on.

Optional accessories: fireproofed mesh for hood; working spotlight; probe that can feel light, smoke and temperature.

We can customize different fume extraction arms based on customer's requests.

Model

We can customize different fume extraction arms based on customer’s requests.

| Model | Name  | Support Structure                | Material                                       | Hood Style                   | Length   | Diameter          | Resistance temperature | Color        | Application   |
|-------|---|----------------------------------|--|------------------------------|----------|-------------------|------------------------|--------------|---|
| JYC   | Structure external support fume collector arm | built-in stainless steel support | Fire-proof material, anti-rust metal structure | Hat style or hose hood style | 2m/3m/4m | from 150 to 300mm | 140degree              | blue or gray | wall mounted, connected to Central Fume Extraction System |



LB-JD



Multi-joints type

LB-JD

Desc

Electronics industry / soldering Laboratory / operating room / beauty room / Metal processing workshops / jewelry processing workshop / School / factory chemical laboratory / Machining workshop

