QUICK
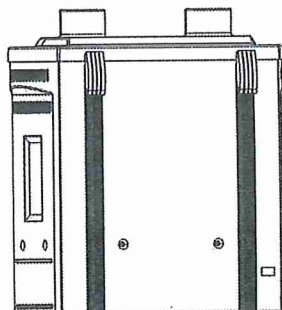
QUICK 6102A2 Fume Extractor

Instruction Manual

Thank you for purchasing our products. Please keep the instruction manual properly for future reference.

Contents

1.Safety Instructions

⚠️ CAUTION

- During the installation and use of this product, all electrical safety regulations of the country and regions must be strictly observed.
- The power supply must be disconnected when disassembling the product. Do not operate with power on.
- If the product does not work properly, please contact the supplier or our company, and do not disassemble or change the product in any way. We are not responsible for any problems caused by unauthorized maintenance or modification.

⚠️ WARNING

- Don't install the product in a place where the surface is easy to shake or be impacted, as it may damage the product.
- Don't install the product in places where it may be exposed to rain or moisture.
- The product should be used away from places where there is magnetic interference.
- Don't use in environments with high temperature ,open flames, or sparks to prevent fire hazards.
- Don't use in flammable and explosive environments.
- When using, the fume extractor must be placed in the right position, place on the side or upside down are forbidden.
- When using, please keep the air inlet and outlet unblocked, ensure there is no obstruction.
- Please unplug the power cord when the product is not used for a long time.

2.Overview

This fume extractor is of dual hoses and triple filters design, including pre-filter, middle filter and main filter. The HEPA high-efficiency filter and the air filter form the main filter. The large area pad type pre-filter can effectively filter the dust with larger particles and prolong the service life of the main filter.

The fume extractor can effectively absorb and filter the fume and dust generated in the soldering, laser marking, laser engraving and other processes, at the same time, it can absorb and filter the toxic and harmful gases and dust, such as hydrocarbons and cyanide compounds, to prevent environmental pollution.

3.Product Characteristics

- Intelligent flow control: closed-loop control of flow, ensures constant suction and saves consumables.

- Intelligent peripherals (such as soldering robots/intelligent soldering stations) can control the operation and sleeping of the fume extractor and are more energy efficient.

- Air volume adjustable, and the directional air hose is adjustable and positioned freely. The unique vortex impeller design, with stronger suction.

- Split filter design, prolong longer service life of filter and lower cost of consumables.

4.Product Specifications

Model	6102A2
Voltage	**AC 240V**
Power consumption	250W
System flow (Including filtering equipment)	$2*100m^3/h$
Filtering efficiency（0.3μm）	99.97%
Static pressure	2400Pa
Noise	$\leq 65dB$
Dimensions (L*W*H)	456.5*232.5*497mm
Weight	About 15.5kg

5.Functional Descriptions

5. 1. Dimensions

456. 5

497

232. 5
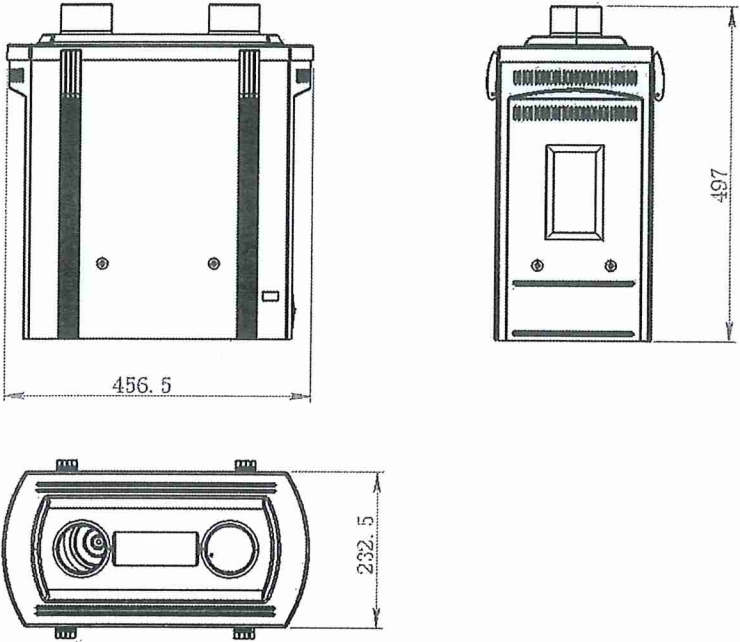
Unit: mm

5. 2. Part Descriptions
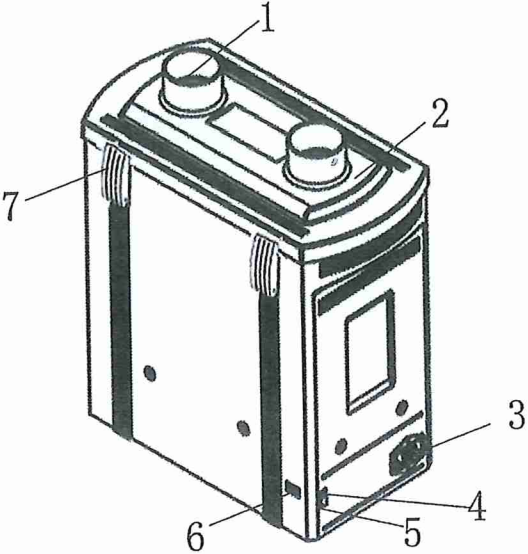
NO.	Part Descriptions
1	Air inlet
2	Top cover
3	Power socket and switch
4	Connection port to controller box
5	Communication port
6	LED display

6.Power On/Off

⚠️Note:

*Please remove the foam placed under the main filter before the first use.

*When using the buckle button, make sure to press the top cover tightly and then secure the buckle button, otherwise the buckle button will be damaged.

Connect the power supply and the handheld control box, turn on the power switch of the host, after power on it will display the main interface, press ▷, ◁ to turn pages, and press the ON/OFF switch of control state. (Real-time flow and motor speed display real-time data).

6102A2		
State	ON	
P-Filter	0/200	km3
M-Filter	0/1200	km3
C-Filter	0/2400	km3

6102A2		
State	ON	
Set Flow	100	m3/h
Real Flow	0	m3/h
Speed	6520	rpm

7.Parameter Settings

7. 1. Input Password

When the handheld control box is unlocked, long press the "SYS" key (about 2s) to enter the password input interface, input the initial password 0000, and press the "SET" key for confirmation to enter the parameter setting interface.

Setup	Setup
P-Filter Flow	
M-Filter Flow	C-Filter Flow
C-Filter Flow	Pipe Diameter
Pipe Diameter	Communication
Communication	Language
	Password
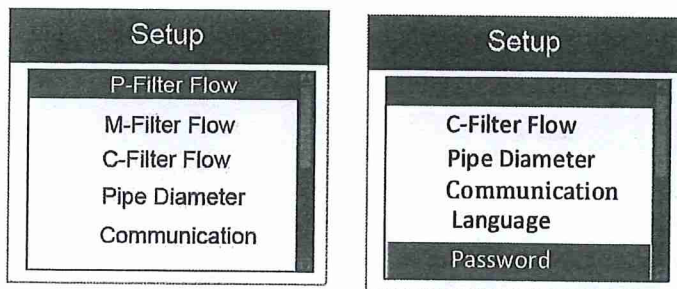
7. 2. Pre-filter Flow Settings

1) Press the "SET" key to enter the first menu: pre-filter filter setting interface.

2) Press keys $\triangle$, ∇ to switch values (upper limit: 999 Km³).

3) Press keys $\triangle$, ∇ to switch the cursor, and press the "SET" key for confirmation, then "OK" will be displayed.

4) Press "BACK" to return to the pre-filter setting interface, then press "BACK" to return to the parameter setting interface.

```
┌─────────────────────────────┐
│      P-Filter Flow          │
├─────────────────────────────┤
│                             │
│  Limit:    [  200  ] km3    │
│                             │
│  Clear:     NO              │
│                             │
│                             │
│  Used:        0      km3    │
└─────────────────────────────┘
```

7. 3. Middle Filter Flow Settings

1) On the main interface of setting, press ▽ to select the middle filter
   flow setting.

2) Press the "SET" key to enter the middle filter setting interface, and
   press △,▽ keys to switch the value (upper limit: 9999 Km^3).

3) Press △,▽ keys to switch the cursor, press the "SET" key for
   confirmation, then "OK" will be displayed.

4) Press "BACK" to return to the middle filter setting interface, and then
   press "BACK" to return to the parameter setting interface.

```
┌─────────────────────────────┐
│      M-Filter Flow          │
├─────────────────────────────┤
│                             │
│  Limit:    [  200  ] km3    │
│                             │
│  Clear:     NO              │
│                             │
│                             │
│  Used:        0      km3    │
└─────────────────────────────┘
```
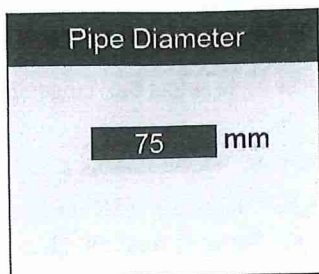
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7. 4. Chemical Filter Flow Settings

1) On the main interface of setting, press ▽ to select the chemical filter flow setting.

2) Press the "SET" key to enter the chemical filter flow setting interface, and press △,▽ keys to switch the value (upper limit: 9999 Km^3).

3) Press △,▽ keys to switch the cursor, press the "SET" key for confirmation, then "OK" will be displayed.

4) Press "BACK" to return to the chemical filter setting interface, then press "BACK" to return to the parameter setting interface.

```
         C-Filter Flow

  Limit:      200      km3

  Clear:      NO


Used:          0       km3
```

7. 5. Pipe Diameter Settings

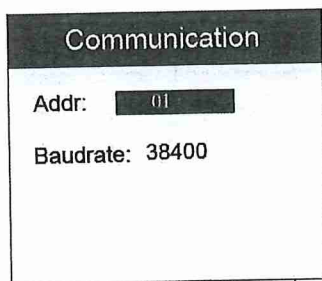1) On the main interface of setting, press ▽ to select the pipe diameter setting.

2) Press the "SET" key to enter the pipe diameter setting interface, and press △,▽ keys to switch the value (Value: 75mm/25mm). Press the "SET" key for confirmation, then "OK" will be displayed.

3) Press "BACK" to return to the pipe diameter setting interface, then press "BACK" to return to the parameter setting interface.

```
┌─────────────────────────────┐
│  Pipe Diameter              │
│                             │
│         �â–ˆ 75 â–ˆ  mm          │
│                             │
│                             │
└─────────────────────────────┘
```
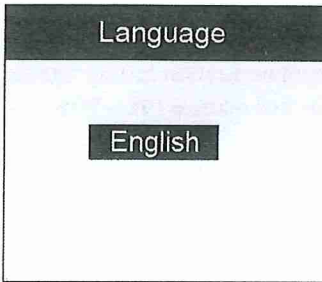
7. 6. **Communication Settings**

1) On the main interface of setting, press ∇ to select the communication setting.

2) Press the "SET" key to enter the communication setting interface, and press $\triangle, \nabla$ keys to select the required address (01 ~ 99).

3) Press $\triangle, \nabla$ keys to select the baud rate option, and press $\triangle, \nabla$ keys to select the requested baud rate (the selection range of the baud rate is 9600, 19200, 38400, and 115200).

4) When the address and baud rate selection displays "OK", press the "SET" key again and then press the "BACK" key to return to the communication setting interface, then press the "BACK" key to return to the parameter setting interface.

Note: factory default address is 01, and the baud rate is 38400.

```
┌─────────────────────────────┐
│     Communication           │
│                             │
│  Addr:    �â–ˆ 01 �â–ˆ           │
│                             │
│  Baudrate: 38400            │
│                             │
│                             │
└─────────────────────────────┘
```
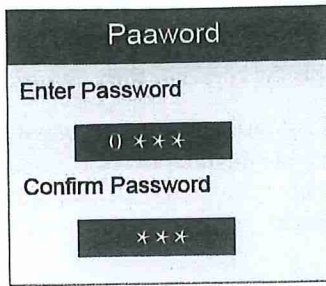
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7. 7. Language Settings

1) On the main interface of setting, press ▽ to select the language setting.

2) Press the "SET" key to enter the language setting interface.

3) Press △,▽ keys to select the requested language (S-Chinese, T-Chinese, English). Press the "SET" key for confirmation, then "OK " will be displayed.

4) Press the "SET" key again and then press the "BACK" key to return to the language setting interface, then press "BACK" to return to the parameter setting interface.

7. 8. Password Settings

1) On the main interface of setting, press ▽ to select the password setting.

2) Press the "SET" key to enter the password modification interface.

3) Press △,▽ keys to switch the value, press △,▽ keys to switch the cursor, after inputting the password, press the "SET" key to input the password again, then press the "SET" key for confirmation. If the two input password values are consistent, the password setting is successful, otherwise the setting fails.

```
┌─────────────────────────────┐
│        Paaword              │
│                             │
│  Enter Password             │
│      ┌──────────────┐       │
│      │  () * * *     │       │
│      └──────────────┘       │
│  Confirm Password           │
│      ┌──────────────┐       │
│      │    * * *      │       │
│      └──────────────┘       │
│                             │
└─────────────────────────────┘
```

Once the password is set, the password needs to be input to enter into the setting interface.

7. 9. Screen Lock Settings

Hold the controller box for 3 minutes without operating the buttons, and the screen will automatically lock. When the screen is locked, long press the "SYS" key (about 2 seconds) to unlock.

8.Alarm Prompt for Filter Replacement

When the host gives an alarm, the handheld control box displays the relevant alarm information and prompts the corresponding operation.

1）Host alarm "E01": motor failure. First turn off the power supply of the host, open the upper cover and take out the filter to see if there is any foreign matter at the air inlet. If there is no foreign matter, open the rear cover and check the circuit, or directly contact the after-sales service;
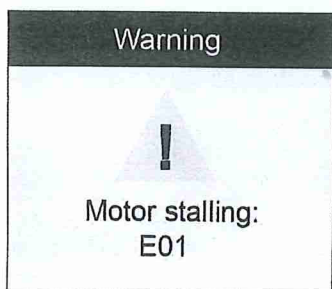
2）Host alarm "E02": flow sensor failure, check the sensor.
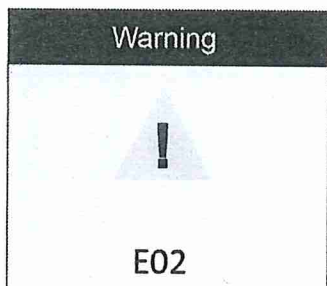
3) Host alarms "A01", "A02" and "A03": filter failure, replace the pre-filter, middle filter and main filter respectively.
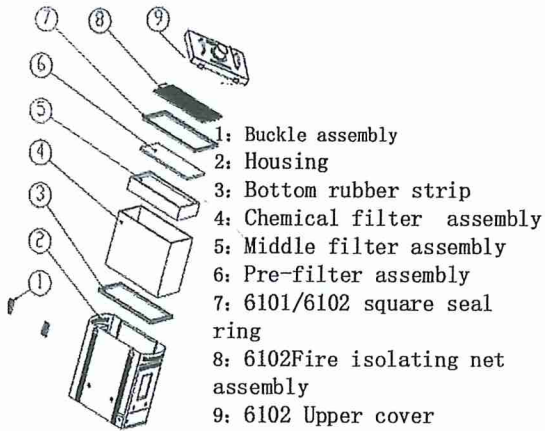
```
+---------------------------+
|  Warning                  |
|                           |
|           !               |
|                           |
|  Filter Lose Efficacy:    |
|         A01               |
+---------------------------+
```

9.Filter Replacement, Cleaning and Maintenance

9. 1. Replace the Filter

1）Directional air hose need to be cleaned regularly.

2）The pre-filter can be replaced as needed.

3）Check whether the air inlet needs cleaning, if necessary, clean the directional air hose and absorber. If the suction is still reduced after checking and cleaning according to the above steps, the middle and main filter should be replaced.

4）When replacing the chemical filter, turn off the power switch first, loosen the four buckle buttons on the edge of the upper cover of the fume extractor, lift up the top cover, pre-filter and middle filter, and then lift up the chemical filter.

5）When replacing the chemical filter, make sure the chemical filter is placed correctly and the fan outlet connected to the bottom of the filter is unblocked.

1: Buckle assembly
2: Housing
3: Bottom rubber strip
4: Chemical filter   assembly
5: Middle filter assembly
6: Pre-filter assembly
7: 6101/6102 square seal ring
8: 6102Fire isolating net assembly
9: 6102 Upper cover

9. 2. Cleaning and Maintenance

Name	Replacing and Cleaning Period
Fire isolating net	It is recommended to clean with high-pressure air gun or brush every week.
Chemical filter	2~4 months
Middle filter	2~4 months
Main filter	3~6 months
Active carbon filter	3~6 months