

# **CALCA 440W Universal Fume Extractor Filter 660m<sup>3</sup>/h for DTF Powder Shakers and Sublimation Heater**

CS-FEF-JS100

## **User Manual**

Please read this manual carefully before operation



Thank you very much for choosing our CALCA brand series Fume Extractor Filter, please read the manual carefully, including the operation and maintenance to ensure the best output and the lifetime of the machine.

Direct Transfer Printing is a revolutionary new printing technique that's more affordable and accessible compared to DTG, screen printing, sublimation or laser white toner transfers.

## What sets DTF apart from other transfers?



- ✓ A great option for small orders.
- ✓ No cutting and weeding required.
- ✓ Crisp, defined edges and images from start to finish.
- ✓ Low cost on waste.
- ✓ Low investment – high reward (Print Cost: \$0.007/inch<sup>2</sup>).

## Works on Most any Fabrics

DTG technology works best on cotton pre-treated fabrics while DTF opens the door to a wide range of choices and is capable of printing onto non-treated cotton, silk, polyester, denim, nylon, leather, 50/50 blends, and more. It works equally well on white and dark textiles.



CALCA JS100 smoke lampblack filter is designed for the machine need smoke discharge like DTF powder shaker or sublimation color system. It can be matched with various powder shakers and sublimation color fixing machines to complete the extraction and filtration of oil fume.

Effectively eliminate and filter the oil fume in the drying process, improve the quality of processed products, and provide a clean and smoke-free working environment.

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## I. Notice On Safety Using

### 1. General

Read the instructions carefully as they contain important information regarding proper, efficient and safe installation, use and maintenance of the unit.

The installation of this unit must be carried out in accordance with the manufacturer's instructions.

Switch off the unit in case of failure or malfunction and contact your distributor for service information.

### 2. Symbols That May Be Used In This Manual



This symbol informs about a situation where a safety risk might be at hand. Given instructions are mandatory in order to prevent injury.



This symbol informs about the right way to perform in order to prevent bad results, appliance damages or hazardous situations.



This symbol informs about recommendations and hints that help to get the best performance out of the equipment.

### 3. Safety

#### 3.1 Safe use of the appliance



For your safety. Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

#### 3.2 Other prohibitions (dangerous procedures)



Using any parts other than genuine CALCA approved manufactured parts can void the warranty.



Improper installation, adjustment, alteration, service or maintenance can cause property damage or major injury. Read the installation and operating instructions thoroughly before installing or servicing this equipment.

#### 3.3 Caution



CAUTION

Users must pay attention to content have this mark, it might be caused by misoperation.

#### 4. Notice Before Starting It:

This machine is a high voltage equipment, in order to use the machine better please be aware of following specification.

#### Equipment installation instructions

##### Installation and placement

- ① The equipment should be placed in a dry and ventilated environment
- ② The equipment must be placed horizontally

#### Power connection instructions

##### Electricity parameters

Rated voltage: AC110V / 220 V, 1 phase

Rated current: 4A / 2A

Rated power: 440W

The access power must be consistent with the rated power of the equipment, and the diameter of the access power supply line must meet the rated requirements.

##### Ground connection



Before getting the power-on, the ground wire must be connected properly to avoid accidents

**Those who are sensitive to static electricity should take protective measures when operating the equipment.**

Those who are allergic to static electricity should wear an anti-static wristband or anti-static gloves.

## II. Functional Description

### 1. Features and Data Sheet

CALCA JS100 smoke lampblack filter is designed for the machine need smoke discharge like DTF shaker or sublimation color system. It can be matched with various powder shakers and sublimation color fixing machines to complete the extraction and filtration of oil fume.

Specialty printing, including Sublimation / DTG / DTF (Direct to Film) and other types of printing result in particles which can cause irritation to the eyes, nose, and throat. Various products and processes can also result in fumes and may be hazardous, which is why it is always recommended to work in a well ventilated environment and to use Personal Protective Equipment when operating.

The CALCA fume extractor is designed to provide additional protection via fume extraction: the pre-filter and filter capture the particles while the gas filter captures odors.

CALCA portable fume extractor designed for DTF transfer printing, which has excellent fog removal performance, captures the thick oily fog generated during the curing of the printed transfers. Produce quality transfers for garments and other substrates in a cleaner air environment. Great for mid-sized 24in roll to roll DTF powder shakers.

#### **Features:**

- 1.The components used in the CALCA fume extractor are of high quality, the filter element is thicker, the filtration capacity is stronger, and the product is more durable
- 2.The CALCA fume extractor achieves the separation of oil fume. Compared with the common fume extractor on the market, which only uses the filter element to forcefully absorb the oil pollution, the filtering will be cleaner and the effect will be better.

The oil here refers to glycerin. At present, DTF PET film and DTF TPU powder contains glycerin. Therefore, a good shaker will dry the glycerin, otherwise the glycerin contained in the hot stamping on the clothes is not washable and easy to fall off. Moreover, the filter element of the general filter element is not resistant to oil and

the filter element will fail soon. Our filter is specially for DTF dust, the filter life is 3-5 times longer. Recommended for customers to use.

**WARNING:** WORK IN A WELL VENTILATED AREA and use Protective Equipment when working with DTF products and processes as fumes may be hazardous.

#### Data Sheet:

- CALCA Brand: USA registered
- Energy consumption: 150~440W
- Max air amount: 660m<sup>3</sup>/h
- Noise: ≤ 65db

#### Package:

- Machine Size: 20.9in x 22.5in x 53.8in (530mm x 571mm x 1366mm)
- Machine Weight: 198lbs (90kg)
- Package Size: 26.8in x 24.8in x 60.6in (680mm x 630mm x 1540mm)
- Gross Weight: 264lbs (120kg)

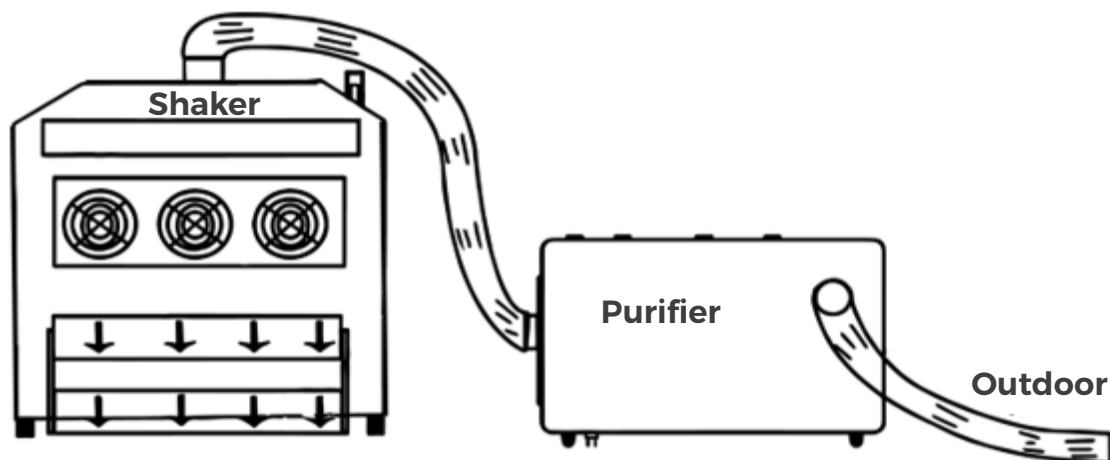
## 2. Component and Installation

### 2.1 Parts Name and Functions

- ① **Activated Carbon:** Adsorbed impurities
- ② **Filter Element:** Filter out impurities



## 2.2 Connection of The Smoke Outlet



## III. Equipment Operation

### 1. Equipment Operation process

**1.1** Move the fume extractor filter to the left of the powder shaker, connect the connecting pipe on the smoke outlet of the powder shaker to the air inlet of the fume extractor filter. (Attention: Open the valve on the air inlet)

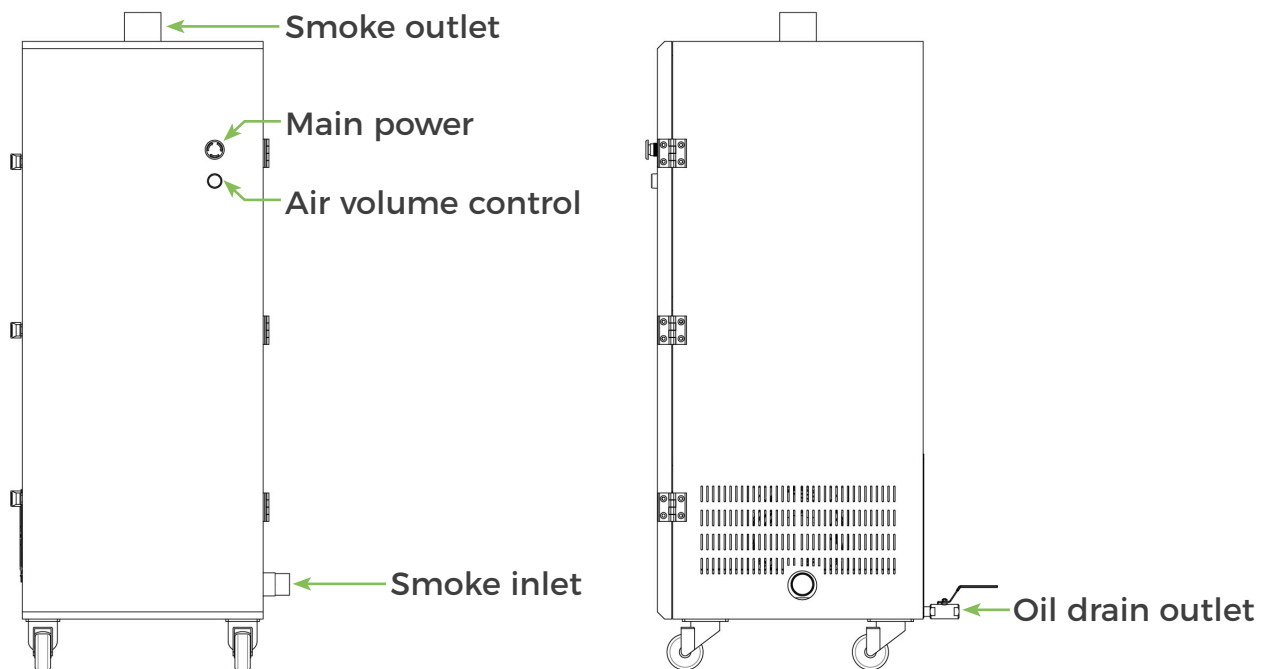
**1.2** Connect the aluminum foil pipe to the air outlet on the top of the fume extractor filter, and the other end of the aluminum foil pipe is directly discharged to the outside.

**1.3** Make sure that the external power supply of the fume extractor filter is connected.

**1.4** Turn on the “Start Switch” and the fume extractor filter starts to work.



## 2. Installation Method



CAUTION

Make sure that the door of the fume extractor filter is closed and there is no smoke leakage.

## IV. Equipment Maintenance

1. Disconnect the external power supply when repairing or cleaning the machine.
2. Open the front door and use a wipe to clean the oil inside the machine, it is recommended to clean it at least once a week.
3. In order to get a better smoke removal effect, it is recommended to replace the activated carbon every 3 months and the filter element every 6 months.
4. Drain the oil every three days.

## WARRANTY CARD

<b>MODEL</b>		<b>LOT #</b>	
<b>BUYER</b>		<b>DATE</b>	
<b>SELLER</b>		<b>TEL</b>	

### Notes

- i. The warranty card should be filled out by seller and kept by buyer. Alterations are prohibited.
- ii. 24 Month Warranty - CALCA DTF shaker includes a 24 month warranty, consumable parts are excluded from the warranty.
- iii. No free repair is available for any damages caused by the improper use.