

# **FUME EXTRACTOR**

## **USER MANUAL**



**Read these instructions prior to use and keep for future reference.**

## INTRODUCTION

Our XF180 fume extractor is small and easily portable thanks to its four swivel casters and conventional power cords. Its adjustable-length extraction tube can be used in any direction for maximum versatility. Its purified air meets PONY EIA testing certification standards. The filter element is able to trap dust on all sides and processes at three airflow speed settings.

## SAFETY INFORMATION



### WARNING

- Before use, please ensure your power supply matches the specified rated voltage labeled on the machine. **DO NOT** use if the power supply voltage is outside the specified range or if the power supply voltage is unstable.
- The operating temperature range for the machine is between 40–122°F (5–50°C). **DO NOT** operate the machine if the environment **OR** the fumes inhaled are outside of the operating temperature range. For best results, only use the machine in temperature controlled environments between 68–122°F (20–30°C).
- The operating relative humidity range of the machine is 40–80%. **DO NOT** operate the machine if the environment **OR** fumes inhaled are outside of the operating relative humidity range as the filters will not function properly and the machine may short circuit.
- **DO NOT** wash the filter element. Replace the filter elements with ones manufactured by the same company.
- **DO NOT** operate the machine directly without the filter element as the fumes inhaled will damage the machine.
- **DO NOT** use the machine when the filter cartridge is clogged as this will shorten the service life of the machine. Replace the filter element regularly. Clean and maintain the machine in a good condition.
- **DO NOT** open the inside of the machine or repair it by yourself.
- **DO NOT** use or store this product in hot or humid conditions or near flammable, explosive, or strongly electromagnetic substances.
- Turn off and unplug the machine when not in use and before cleaning or maintenance.

## PARTS LIST

Before use, ensure all the following items are present and in good condition. **DO NOT** use the product if any parts are missing or damaged. Contact customer service for a replacement.

ITEM	QUANTITY	ITEM	QUANTITY
Main Machine	1	Warranty Card	1
Power Cord	1	User Manual	1
Extraction Tube	1	Primary Filter	1
Extraction Hood	1	Carbon Filter	1

## PRODUCT DIAGRAM



1. Extraction Tube  
2. Extraction Hood  
3. Top Cover

4. Flange Seat  
5. Cover Latch  
6. Machine Body

7. Power Cord Socket  
8. Power Button  
9. Lockable Caster Wheel

## SPECIFICATIONS

Model	XF180
Filter Layers	3
Filter Configuration	Cotton Primary Filter HEPA H11 Activated Carbon
Max. Air Flow Rate	105.9 cfm (180 m <sup>3</sup> /h)
Negative Pressure	0.3 psi (1700 Pa)
No-Load Speed	5800 rpm
Main Machine Dimensions	11.0×11.0×16.9 in. (280×280×430 mm)
Extraction Tube Length	47.2 in. (1.2 m)
Air Inlet Dimensions	1×2.6 in. (1×65 mm)
Weight	19.8 lb. (9 kg)
Noise Level	< 55 dB
Power Consumption	80W
Input Power	110V/60Hz

## INSTALLATION

1. Attach the extraction hood to one end the extraction tube.
2. Attach the other end of the extraction tube to the flange seat located on the top cover of the main body.
3. Adjust the extraction tube and hood according to your needs. For best results, position the source of the fumes 4–6 in. (10–15 cm) away from the extraction hood.
4. After ensuring your power supply is compatible and stable, connect the power cord to the main body and then its power supply. Check that all power connections are stable.



## OPERATION

1. Press the power button once to turn on the machine in low suction mode.
2. Press the power button a second time to use the machine in medium suction mode.
3. Press a third time use high suction mode.
4. Press the button a fourth time to turn it off.

The longer and curvier the extraction tube, the weaker the suction will be at all levels. For best results, keep the extraction as short and straight as possible while still positioned 4–6 in. (10–15 cm) away from the fume source.



## MAINTENANCE

- Check the filter cartridge when the suction becomes weak.
- Mark the specific replacement date on the new filter cartridge during replacement.
- Replace the filter elements regularly. Be sure to turn off the machine before replacing the filter elements. (Use original replacement filters manufactured by the company)
- When replacing the filter elements of the filter cartridge, hold the structured borders with both hands and gently insert or remove the filter elements. **DO NOT** directly grab the filter element as you might damage or deform the filter.
- Clean the exhaust tube and hood regularly to prevent dust build-up.



Layer 1  
Cotton Primary Filter  
PM50 Filter  
(replace every 7–30 days)

Layer 2  
H11 Filter  
PM0.5 Filter  
(replace every 3–6 months)

Layer 3  
High Efficiency Activated Carbon Filter  
Traps Harmful Gases  
(replace every 6–12 months)

## FILTER CARTRIDGE REPLACEMENT INSTRUCTIONS



1. Remove the top cover by opening the cover latches on both sides and lifting the cover.
2. Remove the used filter cartridge carefully and gently. Again, do not directly or violently grab the filter elements.
3. Install a new filter cartridge into the machine, using its structured edge.
4. Place the top cover back on and close the cover latches.

## TROUBLESHOOTING



**WARNING:** Turn off and unplug the machine before inspection and maintenance.

Problems	Possible Solutions
The machine still runs but the suction is weak.	<ol style="list-style-type: none"> <li>1. Ensure there are no issues with the power connection.</li> <li>2. Remove the top cover and check whether there is foreign matter blocking the air inlet. If so, remove the foreign matter.</li> <li>3. Check whether the exhaust is blocked. If so, removed what is blocking the exhaust.</li> <li>4. If suction is still weak after the above steps, replace the filter cartridge.</li> </ol>
The machine automatically shuts down after starting.	<ol style="list-style-type: none"> <li>1. Remove the top cover and check whether there is foreign matter blocking the air inlet. If so, remove the foreign matter.</li> <li>2. Adjust the machine to the lowest airflow setting. Then restart the machine and adjust to desired airflow setting.</li> </ol>

## CONTACT US

Thank you for choosing our products! If you have any questions or comments, contact us at [help@cs-supportpro.com](mailto:help@cs-supportpro.com) and we'll resolve your issue ASAP! For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.

