



FUME EXTRACTOR - (110/230v)

SAFETY PRECAUTIONS & WARNINGS

It is in the interests of those operating this equipment, and for the safety of others, that these **SAFETY PRECAUTIONS & WARNINGS** are carefully read and understood before operating this equipment.

PURPOSE

1. This equipment is designed for extracting fumes from enclosed areas.

PERSONAL SAFETY

2. This equipment is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it. It must not be operated by minors, or by anyone under the influence of drugs or alcohol.
3. If the equipment is not used in a safe, careful and controlled way, personal injury or injury to others may result.
4. Before attempting to operate this equipment you must familiarise yourself with the equipment, its controls and operating characteristics.
5. Before starting your work, think and plan ahead to ensure you, and others around you, will be working in a safe environment.
6. When using this equipment, it is recommended that the following items of Personal Protective Equipment (PPE) be worn:
 - **Dust mask to a minimum protection of EN149fp2(s).****NOTE: Other types of work, or environment, may require a higher level of PPE.**
7. With regard to electrical safety implications when using this equipment, see the section on 'ELECTRICAL SAFETY' below.

ELECTRICAL SAFETY

8. The operating voltage of this equipment may be either 110v (yellow industrial plug connector), or 230v (square pin or blue plug connector).

110v FUME EXTRACTORS (Yellow Plug)

9. Only use a portable transformer and only plug the transformer directly into the 230v socket.
10. Only suitably rated, heavy-duty 110v extension cable, not longer than 50m (160ft), must be used between the transformer and the equipment. Do not use 230v extension cables.
11. When routing the extension cable, avoid immersion in liquids and trapping the cable in windows, doorways and other areas that could cause damage to the cable. Avoid laying the cable in areas that are subject to site traffic. Ensure all connections are kept dry.

230v FUME EXTRACTORS (Square Pin or Blue Plug)

12. To safeguard against electrical shock, always connect the equipment into a residual current device (RCD) that in turn is connected to a 230v socket.
13. Before using the equipment, press the 'RED' test button on the RCD to ensure that it is working. Re-set the RCD according to the instructions provided.

14. Only suitably rated, heavy-duty 230v extension cable, not longer than 50m (160ft), must be used between the mains (RCD) and the equipment.
15. When routing the extension cable, avoid immersion in liquids and trapping the cable in windows, doorways and other areas that could cause damage to the cable. Avoid laying the cable in areas that are subject to site traffic. Ensure all connections are kept dry.

OPERATING AREA SAFETY

16. Before commencing work, ensure that the area you are to operate the equipment in is a safe environment. Erect safety barriers and warning signs as necessary.
17. Make sure that the work area is clear of obstructions and hazards (projections, cables, pipes, etc.).
18. Ensure the equipments cable and extension cables are routed safely. Keep them clear of traffic, wet areas and windows/doorways where they may become trapped.
19. Before commencing work, warn others who may be working in the vicinity of the equipment, to keep clear. If possible place safety barriers around your work area.
20. Anybody who is working near to you will also need to wear the appropriate PPE.
21. Protect others from noise and extracted fumes.
22. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

BEFORE OPERATING THE EQUIPMENT

SAFETY CHECKS

23. Visually inspect the equipment and all its accessories (machine, cables, hoses, plugs, safety barriers, etc.) for serviceability (completeness, signs of damage, undue wear, etc.). Do not use the equipment if found damaged or worn - contact the hire company immediately.
24. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.
25. Never vent exhausted fumes in enclosed spaces where there is a danger of you, or other people, inhaling the fumes.
26. Do not use this equipment in the rain or where it could become wet.
27. Before you start the equipment, you must know how to **STOP** it in an emergency.

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OPERATING THE EQUIPMENT

USING THE EQUIPMENT

28. Place the equipment on firm, level surface/ground.
29. Ensure that both the inlet and outlet hoses are securely connected to the equipment.
30. Both hoses must be safely routed and free from sharp bends or kinks.
31. Position the exhaust hose so that it vents to a safe exterior location.
32. Switch-on the equipment and check for leaks in or around the hoses.
33. Stop working and switch-off the equipment if someone approaches you.
34. Switch-off the equipment, un-plug it before moving it or making any adjustments.

SECURITY AND MAINTENANCE

35. Visually check the condition of the equipment at the start of each day.
36. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
37. Periodically clean the equipment to ensure it is free from dust, dirt and other debris.
38. When the equipment is left unattended for long periods (i.e. overnight), ensure it is made secure to prevent unauthorised use or loss.

COLLECTION & PICK-UP

39. For safety reasons this equipment requires you to use a **VAN** or an **ESTATE**.

