



PRESSURE WASHER - (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 the cleaning and washing items and structures using high-pressure water jet.

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:
 - Impact resistant goggles to EN166-B or BS2092, grade 1 protection.
 - Ear defenders providing protection up to 88dB(A).
 - Waterproof coveralls.
 - Waterproof footwear.
 - Appropriate waterproof gloves.

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 PRESSURE WASHERS (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 PRESSURE WASHERS (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. Never direct the spray gun at yourself, other people or animals.
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. Never spray water onto electrical items as this may cause an electrical short circuit or a fatal shock.
21. Anybody who is working near to you will also need to wear the appropriate PPE.
22. Protect others from noise and high-pressure water spray.
23. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

BEFORE OPERATING THE EQUIPMENT

SAFETY CHECKS

24. Visually inspect the equipment and all its accessories (machine, spray gun, hoses, cables, 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.
25. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.
26. Sight the equipment as far away from the electricity supply as possible and where it won't become wet.
27. Ensure good drainage for the wastewater.
28. 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

29. Check the water tank level, top-up with clean water as necessary. Use filters to maintain clean water supply.
30. If using detergents or other chemicals, follow the manufacturers recommendations.
31. Ensure all hose connections are tight and secure.
32. Lay out hoses in a safe manner to prevent kinks and sharp bends.
33. Always use both hands to hold and control the spray gun lance.
34. Keep the equipments electrical cable clear of the spray gun. Use extension hoses to increase the distance between the equipment and the spray gun.
35. Be aware of the reactive forces of the spray gun lance when the equipment is switched-on.
36. Never attempt to disconnect hoses whilst the equipment is switched-on, or pressure is still present in the spray gun lance.
37. On completion of task, switch-off the equipment at the mains supply; operate the spray gun to release any remaining pressure. Turn-off the supply of detergent or chemicals.
38. Stop working and switch-off the machine if someone approaches you.
39. Stop the equipment and un-plug it before moving it or making any adjustments.

SECURITY AND MAINTENANCE

40. Visually check the condition of the equipment at the start of each day.
41. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
42. Periodically clean the equipment to ensure it is free from dust, dirt and other debris.
43. Protect the water in the tank and hoses from freezing during very cold weather. Drain the water if left overnight.
44. 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

45. For safety reasons this equipment requires you to use a **LORRY**.

