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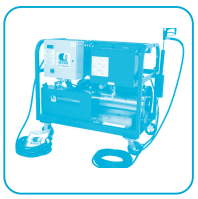
0810 Safety Guidance
110/230V v:032017

Steam Cleaner

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Steam Cleaner



1. Electricity is dangerous and must always be used with great care.
2. Water and electricity can make a hazardous combination. Keep water away from electrical parts.
3. This pressure washer is designed for high-pressure hot water washing.
4. The action of this pressure washer can cause injury or damage if the equipment is not used in a careful and controlled way.
5. If the operator has not used the pressure washer before, they should familiarise themselves with how the equipment works before starting on the main task.
6. The work should be thought out and planned ahead to ensure that it is carried out safely
7. The following items of personal protective equipment must be worn as a minimum: Impact resistant visor or goggles: EN166 – B or BS2092 grade 1; Ear muffs or plugs giving protection for levels up to 88 dB(A); Waterproof overalls; Waterproof boots; Gloves; Rcd if using a 230 volt (mains) supply.
8. This equipment must not be used by minors, or by anyone under the influence of drugs or alcohol.
9. This pressure washer is designed for operation by an able-bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

ELECTRICAL SAFETY

1. Do not touch any switches, plugs, or sockets unless hands are dry.
2. Make sure the pressure washer is switched off before plugging it into the supply.
3. Do not use an extension cable unless it is necessary to do so. Using extension hoses is a much safer way of working at a distance from the electricity supply.
4. If an extension cable is needed, it must be the same heavy duty specification as the cable fitted to the pressure washer, with a splash proof socket.

110 VOLT EQUIPMENT (YELLOW PLUG)

1. If using a portable transformer, plug the transformer directly into the 230 volt socket. Do not use any 230v extension cables.
2. If an extension cable is needed, follow any special instructions given by the hire company. If the hire company have not given any special instructions, only a suitable rated heavy duty 110v cable should be used with a splash proof socket, not longer than 50 metres (160 feet). The extension cable must only be used between the transformer and the equipment.
3. The extension cable should be laid out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and where vehicles might run over it. It should be unrolled fully or it will overheat and could catch fire.
4. Extension cable connections should be dry and safe.

230 VOLT EQUIPMENT (SQUARE PIN OR BLUE PLUG)

1. Use a residual current device (rcd) plugged directly into the 230 volt socket. Plug the equipment into the rcd. This will help to protect against electric shock if the cable or equipment get damaged.
2. Use the 'TEST' button to check that the rcd is working each time it is used. Reset the rcd according to the instructions supplied with it.
3. If an extension cable is needed, follow any special instructions given by the hire company. If the hire company have not given any special instructions, only a suitable rated heavy duty extension cable should be used with a splash-proof socket, not longer than 50 metres (160 feet). It should be plugged directly into the rcd.

Please keep this leaflet safely as it may be required for future reference

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v:032017

Before Starting Work...

WORK AREA

1. Do not use this pressure washer where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. Do not use this pressure washer in the rain or where electrical parts might get wet.
3. Make sure that the area is clear and safe and that no-one is nearby who could cause a distraction.
4. Protect others from the noise and water spray. Use a wash bay, or erect barriers. Make sure that good drainage is available for the waste water.
5. Set up the work area so that there is no danger of water being sprayed onto the electricity supply socket.

OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that must be worn when using this hot water pressure washer. Particular jobs or environments may require a higher level of protection.
2. Impact resistant goggles or a visor must be worn (EN166 – B or BS2092 grade 1) when working with this machine.
3. This equipment is likely to cause noise levels up to 88 dB(A) – appropriate ear muffs or plugs giving hearing protection for this level as a minimum should be worn.
4. Waterproof overalls, boots and gloves should be worn.
5. Anyone working nearby will also need to wear personal protective equipment.

PRESSURE WASHER

1. Check the pressure washer, cables, plugs, high pressure water hoses and all equipment. If anything is found to be damaged, do not use the pressure washer – contact the hire company.
2. Check that the hot water lance provides insulation and protects hands when the hot water flows through it.
3. Check that the plug on the equipment matches the supply. Connections should not be forced or improvised.
4. Equipment with a cylindrical yellow industrial plug fitted is designed to run off a special 110v supply. The hire company will have provided a portable transformer if the equipment is to be powered from a normal 230 volt mains supply. If a portable transformer has been supplied, take care when moving it about – it may be heavier than it appears. Equipment designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug.
5. Use only the hose supplied with the machine. Ensure it is laid out safely with no kinks, away from where vehicles may run over it.
6. Extension hoses may have been supplied by the hire company. These allow you to work further away from the electricity supply, without having to use long extension cables. Always use the extension hoses instead of extension cables if possible.
7. Make sure that all the pressure hose connections are tight and firm.
8. Make sure that none of the hose connections get dirty when setting up the machine.
9. Protect this machine from frost. If it freezes, it may be damaged.
10. Make sure that all of the controls are understood. Before switching the washer on, it must be known how to control it and switch it off safely.

WATER SUPPLY

1. Connect the steam cleaner to a water supply with sufficient capacity to keep the machine operational (up to 12 litres per minute). If the water supply is not sufficient, the water heater will keep switching on and off.
2. When using chemicals or detergents, follow the instructions supplied with them. Only use the detergent recommended by the hire company.

REFUELLING THE BURNER

1. No smoking.
2. Use only the fuel recommended by the hire company. Do not use petrol.
3. Use a funnel. Do not spill any fuel.
4. Wipe any fuel off the washer. Dispose of any fuel soaked cloth carefully.
5. If any fuel is spilled on the ground, wipe it up or cover it with soil, and move away.
6. If any fuel is spilled on clothes, they must be changed immediately.
7. Put all fuel caps back on properly, and move the fuel can to a safe cool place.

STARTING THE BURNER

1. Make sure the burner controls are understood.
2. Check the fuel level. The fuel pump may be damaged if the tank is empty.
3. Switch on the water pump and operate the lance trigger a few times. Ensure the water is under pressure.
4. Turn the burner switch on, then operate the lance trigger.
5. Note the burner must only operate when the lance trigger is pressed. The burner must extinguish itself when the lance trigger is released.
6. If hotter water or saturated steam is required, operate the valve to reduce the water pressure. Do not reduce the pressure too low or the burner will not operate.

(continued overleaf...)

Useful Reference Points • www.hae.org.uk/businessguard

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