



# Using the Drain Cleaner

1. Wear your protective equipment including goggles and waterproof overalls.
2. Always wash your hands when you stop work, for whatever reason, even if it is only for a short while.
3. Do not leave open manholes unattended. Replace the manhole or drain covers as soon as possible. Leave barriers around them while they are open.
4. The water jets out backwards from the nozzle of the drain cleaner in order to help propel the hose up the drainpipe. Feed the nozzle into the drainpipe before pressurising the hose.
5. Do not spray the water jet at yourself, any other persons, or any animals. It may cause an injury.
6. Do not spray the water jet over any electrical equipment. This could cause a short circuit and fire. You could get a fatal electric shock.
7. Stop the engine before leaving the machine unattended.
8. Do not connect or disconnect a pressure hose while the drain cleaner is pressurised. Stop the engine, and allow the pressure to reduce.
9. If you are working in cold conditions, make sure that the water in the machine will not start to freeze when you are not using it.
10. Drain the machine if there is any danger of overnight frost.
11. Make sure that the machine and all the equipment is cleaned and properly protected before you store the machine.
12. Always clean the machine and equipment thoroughly before returning it to the hire company.
13. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.
14. You may want to read this leaflet again. Please keep it until you finish work.

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



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# High Pressure Drain 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 Drain Cleaner

1. Petrol is highly flammable. Take care not to cause a fire or explosion.
2. This drain cleaner is designed to clean drains and similar pipes.
3. The action of this drain cleaner can cause injury or damage if the equipment is not used in a careful and controlled way.
4. If you have not used a drain cleaner before, familiarise yourself with the equipment works before you start on the main task.
5. Plan your work and think ahead to make sure you will always be working safely.
6. You should have at least the following items of personal protective equipment: impact resistant visor or goggles: EN166 - B or BS2092 grade 1; ear muffs or plugs giving protection for levels up to 86 dB(A); waterproof overalls; waterproof boots; waterproof gloves.
7. This equipment must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This drain cleaner is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



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**STARTING FROM WARM**

1. Set the choke lever to the fully open position and check that the fuel valve is open.
2. Follow the rest of the instructions from section "Starting from cold" above.

**STOPPING THE ENGINE**

1. Move the throttle to the IDLE position.
2. Turn the engine switch to the OFF position.
3. Close the fuel valve.

**STARTING FROM COLD**

1. This section describes the starting procedure for most petrol engine drain cleaners. If the hire company has given instructions on how to start the engine, follow these.
2. Put all fuel caps back on properly and change the, straight away.
3. If you spill any fuel on your clothes, wipe or cover it with soil.
4. If you spill any fuel on the ground, wipe it of fuel soaked cloth carefully.
5. Wipe any fuel off the machine. Dispose yourself or the machine.
6. Use a funnel and clean petrol when refuelling. Do not spill any fuel on tank.
7. Clean the filter cap and the area around it to prevent dirt falling into the petrol tank.
8. Move the machine away from your work area.
9. Stop the engine and let it cool down.
10. No smoking.
11. Refuelling

**REFUELLING**

1. Make sure that all the pressure hose connections are firm and tight.
2. Make sure that none of the hose connections get dirty when you are setting-up the machine.
3. Do not connect or disconnect a hose while the drain cleaner is pressurised.
4. Make sure you understand all of the controls. Before you start the drain cleaner, you must know how to control it and stop it safely.
5. With your right hand, pull out the starter handle slowly until you can feel that the starter has engaged with the engine. Then pull it quickly and strongly. Don't pull it too far, or it may break.
6. Guide the cord back into place so that it recoils correctly.
7. If the engine is now running set the choke control to half position. You can open it gradually as the engine warms up. If the engine did not start, check that there is sufficient petrol and oil, and that all controls are in the correct positions. Pull the starter cord again.
8. In cold weather, you may need to let the engine warm up by gently opening the throttle, before starting work.

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**STOPPING THE ENGINE**

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3. Close the fuel valve.

**WORK AREA**

1. Do not use this drain cleaner where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. Using this equipment indoors or in confined spaces could cause fatal carbon monoxide poisoning. Never use it in domestic premises and only use it in other indoor situations if its suitability has been fully assessed. Mechanical extraction ventilation will almost always be required.
3. Confined spaces like manholes that have no natural ventilation may be full of toxic fumes. Make sure your place of work is safe for you to breathe.
4. Make sure that the work area is clear and that no-one is near to you or could distract you. Put up barriers or safety signs.
5. If you are removing manhole covers, use the correct manhole keys to lift it. Take care: manhole covers are heavy. You must put barriers around open manholes.
6. Check that you have an adequate supply of water, either from mains supply or from a tank.
7. If your supply is from a water tank, make sure the water is reasonably clean with no solids that could clog the drain cleaner.
8. You must use a suitable filter if you are in any doubt about how clean your water supply is. Check with the hire company.
9. Check your machine, engine, high pressure water hoses, and all equipment. If anything is found damaged, do not use the drain cleaner - contact the hire company.
10. Use only the hose supplied with the machine. Ensure it is laid out safely to run over it. Do not allow vehicles to run on kinks, do not allow vehicles to run over it.
11. The pressure hose supplied with the machine should be long enough to reach and clean your blocked or dirty drain. If you need an extension hose, contact the hire company.

**WATER SUPPLY**

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7. Do not work in dirty drain water if you have exposed open cuts or areas of broken skin: cover them with waterproof plasters. Serious diseases can be caught from bacteria in dirty water.
8. If you report ill to your doctor after working in dirty water, tell him you were cleaning drains.
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## Before Starting Work...



WORK AREA

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4. If you spill any fuel on the ground, wipe it of fuel soaked cloth carefully.
5. Wipe any fuel off the machine. Dispose yourself or the machine.
6. Use a funnel and clean petrol when refuelling. Do not spill any fuel on tank.
7. Clean the filter cap and the area around it to prevent dirt falling into the petrol tank.
8. Move the machine away from your work area.
9. Stop the engine and let it cool down.
10. No smoking.
11. Refuelling

**REFUELLING**

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2. Make sure that none of the hose connections get dirty when you are setting-up the machine.
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