



Using the Propane Tar Boiler

1. No smoking.
2. Wear your protective equipment. Wear clothing and gloves to cover as much bare skin as possible.
3. Allow only essential persons to work in the area where the hot tar is used.
4. Ensure the burner assembly is located correctly and that the boiler is half filled with solid tar. Turn on the gas at the cylinder valve and carefully light the burner.
5. Heat the cold tar slowly until any water is driven off and the tar becomes liquid.
6. Do not apply direct heat to any taps, valves or pipes on the boiler to try to get it operational quicker. You will cause damage to the parts heated.
7. Do not allow water to come into contact with hot tar. Hot water and tar will be spat out.
8. Do not ladle hot tar out of the boiler, this can also cause spitting. Use the draw off tap.
9. Carry melted tar only in correct containers, for example lidded buckets.
10. Keep the lid on the boiler at all times; replace it as soon as possible after removing it.
11. Check the level and the temperature of the tar in the boiler regularly. Make sure it does not overheat or run low. Add solid tar carefully to avoid splashes.
12. Decide on the safest route for the hot tar to be carried from the boiler to the workplace.
13. Make it safer by removing any obstacles and informing people of the designated path.
14. Stop work and make safe if someone approaches you.
15. Turn the gas off at the cylinder if leaving the boiler unattended, even if it is only for a short while.
16. Do not move or transport the boiler while it is lit or while it is hot, allow it to cool down until the tar becomes solid.
17. Keep the outside of the boiler 'clean' by daily removing drips and splashes of tar.
18. If your equipment does not work properly do not attempt to repair it. Contact the hire company.

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



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Propane Tar Boiler

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 Propane Tar Boiler

1. Plan your work and think ahead to make sure you will always be working safely.
2. Propane gas is highly flammable. Take care not to cause a fire or explosion.
3. The tar boiler is designed for melting tar and other hot-application weather proofing substances for use in the open air on jobs like roofing, flooring, road surfacing and cable jointing.
4. Operation of this tar boiler can cause injury or damage if not used in a careful and controlled way. It is very heavy when full, take care when moving it.
5. If you have not used this type of equipment before, familiarise yourself with how it works and the hazards it presents before you start work.
6. You must have at least the following items of personal protective equipment: goggles: EN166 or BS2092; safety boots to EN345 or BS1870/4972; gloves; suitable clothing to avoid skin contact from splashes.
7. This tar boiler must not be used by minors or by anyone under the influence of drugs or alcohol.
8. This tar boiler 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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1. Make sure you understand how the equipment works – before you use the tar boiler you must be aware of the potential hazards present and what precautions to take.
2. The boiler should be positioned so that splashes may be damaged by heat and tar splashes.
3. The boiler should be positioned so that the containers used for carrying hot tar will easily locate under the draw off tap.
4. Keep all gas cylinders not in use stored safely well away from the boiler. LPG is heavier than air, so cylinders should be stored in well-ventilated areas. They should not be stored where any gas could collect at a low level.
5. The cylinder in use should be located in a safe place at least 3 metres away from the boiler.
6. The flexible gas hose must be the correct type, in good condition and properly connected with the regulator fitted to the top of the cylinder using a spanner to tighten couplings. Lay this hose out carefully to avoid people and vehicles damaging it.
7. After finishing all gas connections check for leaks using your sense of smell, or soapy water. Never use a naked flame.



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

1. No smoking when working near liquefied petroleum gas (LPG) cylinders.
 2. Make sure that your work area is clear and safe and that no-one is near to you or could distract you.
 3. Protect other people from injury. Warn others to keep away, put barriers around your work area.
 4. Your work area should always have at least one fire extinguisher (9 litre foam or 9kg dry powder) in an accessible place.
 5. Always store combustible materials away from the boiler. Do not allow combustible rubbish like paper to collect near the boiler.
- ### SETTING UP THE WORK AREA
1. Check your equipment including the burner assembly, flexible hose and gas regulator. If anything is found damaged, do not use the tar boiler – contact the hire company.
 2. Place the boiler on a firm level non-burnable surface, like concrete. Avoid finished or decorative surfaces that should be clearly available on site.
- ### TAR BOILER OPERATORS
1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this tar boiler. Particular jobs or environments may require a higher level of protection.
 2. You must wear goggles (EN166 or BS2092) when you are working with this equipment.
 3. You must wear safety boots (EN345 or BS1870/4972).
 4. You should wear gloves, long sleeves and full trousers to prevent the splashes coming into contact with your bare skin.
 5. Anybody who is working near to you will also need to wear appropriate personal protective equipment.
 6. In the work environment, people involved with hot tar should have received training in first aid procedures for tar burns. Written notification of this should be clearly available on site.



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