



Using the Gas Welder

1. Wear your protective equipment including facemask and goggles.
2. If your equipment is likely to produce toxic fumes, you must wear breathing apparatus, keep others away from the fumes.
3. This gas welder must not be used in any way with lead, lead paint or asbestos.
4. Be careful where you point the flame. It will burn people or animals. It will crack glass and melt plastic.
5. After use, the nozzle will be hot. Do not touch it or lay it down on flammable material.
6. Extinguish the flame when you stop work and you're your equipment down, even if it is only for a short while.
7. Remember material you have worked on will remain hot for some time. Make sure no-one touches it.
8. Extinguish the flame before you put the equipment down in a safe place to cool before leaving it unattended.
9. If our equipment does not work properly do not attempt to repair it. Contact the hire company.

Please store this leaflet safely. It may be required for further information



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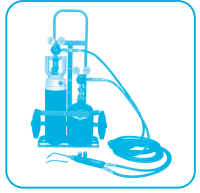
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Gas Welder

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 all of this leaflet BEFORE using the Gas Welder

1. Plan your work and think ahead to make sure you will always be working safely.
2. Oxygen and acetylene, when mixed together, make a highly flammable mixture. Take care not to cause a fire or explosion.
3. This equipment is designed for welding, brazing, bronze welding and for flame cutting using the appropriate attachments.
4. The action of this gas welding equipment can cause injury or damage if it is not used in a careful and controlled way.
5. Do not weld or cut a container that has held flammable liquids or gases. The air inside will be highly flammable.
6. You should not use this equipment unless you have had previous experience, or you have had a course of instruction from a responsible body. You should also familiarize yourself with this equipment if you have not used a gas welder recently.
7. You must have at least the following items of personal protective equipment: welding goggles: EN166 / EN175 or BS1542 / 679; face mask – a minimum of EN149 FFP3(s) protection; gloves.
8. This equipment must not be used by minors, or by anyone under the influence of drugs or alcohol.
9. 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.



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1. Extinguish the flame and allow the equipment to cool down.
2. Close the valves using the key provided.
3. Make sure that there are no naked flames nearby, and that the area is well ventilated.
4. Using the correct tools, undo the hose couplings. Acetylene cylinders have a left-hand thread; oxygen cylinders have a right-hand thread.
5. Acetylene has a garlic smell and is lighter than air, so will rise. Oxygen has no smell and will mix with the surrounding air.
6. Remove the empty cylinder and store it safely.
7. Refit a full cylinder and tighten the hose connections using the correct tools.
8. Do not tamper with cylinders in any way. You must always store and use acetylene cylinders more than 3 turns. Never open it fully, it may jam in the open position.
9. The hose connections on acetylene cylinders are left hand threads, on oxygen cylinders they are right hand threads. This is to ensure that. Only the correct connections can be made.

CHANGING A CYLINDER

1. Do not use lubricants on any part of gas cylinders or welding equipment. The oil or grease reacts with the gases and may spontaneously ignite.
2. Do not use lubricants on any part of them in an upright position.



Before Starting Work...

1. Do not use this equipment where there is a danger of explosion: it may ignite fumes from petrol or gas cylinders.
2. To reduce the risk of serious or fatal injury from breathing toxic fumes, use this equipment only in a well ventilated area.
3. Do not allow the gas from either cylinder to escape into the air except in the smallest amount while lighting the torch. Gas escaping from either or both cylinders could create a toxic or flammable atmosphere.
4. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
5. The hot sparks could start a fire; check there is nothing nearby that would burn easily.
6. You must not weld a petrol tank or anything that has contained flammable liquid or gas – it is likely to explode.
7. Check that there are no fuel lines or flammable materials near the area you are going to weld.
8. Protect other people from the danger. Warn others to keep away.

GAZ WELDER

1. Check your equipment. If anything is found damaged, do not use it –

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use these machines. Particular jobs or environments may require a higher level of protection. You will need to wear an appropriate facemask (with a minimum of EN149 FFP3(s) protection) when you are doing work that creates fumes. When working with brass or galvanized materials you must wear suitable breathing apparatus.
3. You must wear welding goggles (EN166/EN175 or BS1542/679) when you are working with this equipment.
4. Anybody who is working near to you will also need to wear appropriate personal protective equipment.

OPERATORS

1. Make sure you understand how to use the equipment – before you use it, you must know how it works.
4. Never open the valve on an acetylene cylinder more than 3 turns. Never open it fully, it may jam in the open position.
5. The hose connections on acetylene cylinders are left hand threads, on oxygen cylinders they are right hand threads. This is to ensure that. Only the correct connections can be made.
6. Do not tamper with cylinders in any way. You must always store and use acetylene cylinders more than 3 turns. Never open it fully, it may jam in the open position.

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