

General Safety

WARNING : It is the responsibility of the user to ensure the safe use of the torch. The following safety instructions are for guidance only, and not an exhaustive list of potential hazards.

WARNING : This appliance is not intended for use by persons with reduced, physical or mental capabilities or lack of experience or knowledge of operating it. It must not be operated by children.

- Keep children and bystanders away while operating this tool
- DO NOT allow persons unfamiliar with this tool or these instructions to operate this tool.
- DO NOT point the torch at yourself or others. DO NOT use torch near flammable material, liquids, solids, or gases, and materials that may be accidentally ignited i.e. wood, cloth, plastic etc.
- DO NOT point the torch at the gas cylinder or hoses, and DO NOT use the torch to remove any ice that may form on the gas cylinder.
- DO NOT heat items that contain any materials that may become hazardous when heated.
- DO NOT operate the torch when you are tired or under the influence of alcohol, drugs or medication.
- DO NOT touch the torch or the workpiece until all parts have completely cooled after use. If you are in any doubt as to safe use of this tool, DO NOT USE IT.
- Always use personal protective equipment including eye protection and gloves

Intended Use:

Suitable for brazing, soft soldering, pipe soldering/fitting, paint stripping & pre-heating. **WARNING:** This safety sheet gives basic advice on safety and operating the torch. Training is essential when operating the torch for specific tasks.

Before Use

Cylinders

- Cylinders must be sited away from any heat source, in a well-ventilated place and must stand in a stable upright position.
- DO NOT place a cylinder in a sewer, culvert or work hole.
- Always, before connecting a regulator to a cylinder, ensure that the mating parts are clean, free from dirt and undamaged.
- The connecting nut of the regulator must be spanner-tightened to the cylinder valve (Note: The thread is left-handed)
- Ensure any gas cylinders used comply with local regulations.

Gas Torch Safety

- Use only in well-ventilated areas. Confined spaces, such as basements and underground areas are dangerous and will cause accumulation of unburned gas.
- Do not use the torch in doorways, passageways or other thoroughfares.
- When using on roofs and elevated heights it is important to ensure the operator and equipment are secure and cannot fall
- Turn off the gas supply when unattended.
- A dry compound extinguisher should always be close to hand, in all areas, when working with this tool
- Beware of hot surfaces. Hold the torch by the handle only.
- Do not attempt to modify the torch in any way or increase the size of the torch nozzle. Do not wear loose or ill-fitting clothing. The use of safety gloves is recommended.

Regulators

- This tool must be used with a suitable propane regulator; these are usually coloured red.
- Check that the regulator outlet pressure does not exceed the pressure rating of this torch.

Hose 2M.

- Hose must be compliant to EN 559 or BS EN ISO 3821 2MPa with 10mm (3/8") brass connectors with female left-hand threads.
- Connect the hose to the Gas Inlet on the Handle and tighten securely with a spanner.
- Inspect hose regularly and replace if worn or damaged.

Leaks

- After connecting appliances/regulators etc, ensure there is no gas leakage prior to use propane has a distinctive smell and leaks can usually be detected immediately.
- If a leak is suspected, extinguish all naked flames and close the cylinder valve.
- DO NOT check for leaks with a naked flame, trace it by smell and confirm by brushing leak-detecting fluid (or neat soap solution such as washing up liquid) over the suspected joint.
- If the seals of this torch are damaged or perished on inspection do not attempt to use the tool
- Equipment must not be used until any leak is eliminated.

Operating Instructions

Lighting the Torch

1. Turn on the gas at the cylinder and check there are no leaks.
2. Rotate the Variable Control approximately a quarter turn anticlockwise to open the flow of gas.
3. Light the gas, using a professional gas sparker, in front of the burner.

WARNING: Do not ignite the torch with an open flame

Using the Torch

1. Adjust the flame with the Variable Control to produce the required flame for the burner fitted.
2. Carefully apply heat to the area required, ensuring that the variable control is not set too high.
3. After use set the variable control to the minimum level and turn off the gas at the cylinder

Note: Working with a propane gas torch is highly dangerous. It is recommended to re-read the safety information given in this instruction sheet every time this torch is used and only use the torch when all safety conditions have been met.

Maintenance

WARNING: Before carrying out any service or maintenance procedures turn all gas taps off and disconnect the torch from the gas supply. Allow adequate time to cool before handling.

- If the 17mm Burner Nozzle is excessively dirty or blocked it can be removed and boiled in water. If the blockage is not removed through boiling, use compressed air again to clear. Do not boil the burners.

WARNING: DO NOT clean the nozzle with a thin steel wire as this may enlarge the hole in the nozzle, making it unsafe to use.