

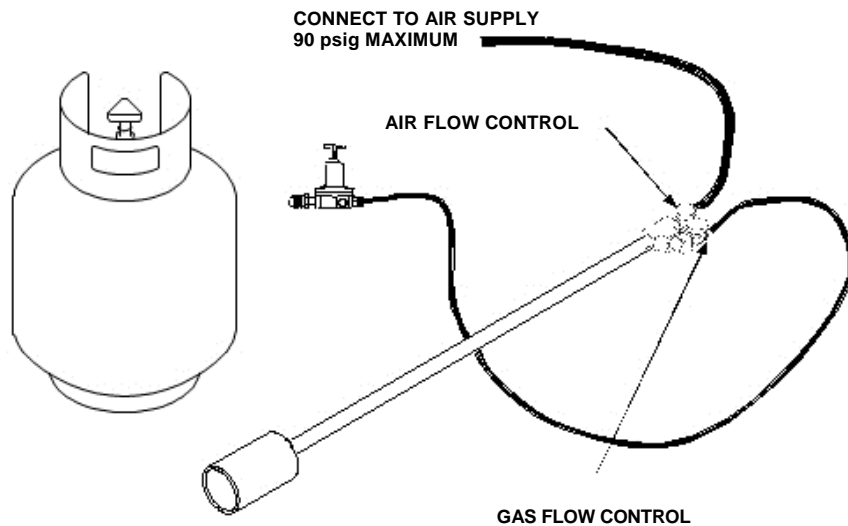
SAFETY CHECKLIST

- Always use protective gloves, long sleeve shirt, long pants, boots and OSHA approved protective eyewear.
- Always use the torch in a safe area, free from all combustibles and flammable liquids & vapors.
- Always have an ABC type fire extinguisher within 25ft of your work area.
- Always keep the propane gas supply cylinder in an upright position.



NEVER LAY THE PROPANE CYLINDER DOWN!

- Never operate the torch when a gas leak is present, or gas odor is detected.
- Never leave a burning torch unattended.



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burners, inc.
Combustion Technology and Custom Metal Fabrication

Compressed Air & Vapor Gas Hand Torch INSTRUCTION MANUAL

For Torch Models:

CG-200, CG-300, CG-500, CG-750, CG-1000, CG-1500, CG-2000



CG-500 Shown



IMPORTANT





*Please read all instructions before
attempting to operate this torch.*

Failure to follow all instructions may result in bodily injury

FOR YOUR SAFETY - If you smell gas:

- Shut off all gas supplies.
- Extinguish all open flames.
- Contact a qualified gas service technician for assistance.

 **This torch will produce extremely hot flames, and will cause severe burns to exposed skin.**

 **You must always use hand and eye protection when using this torch. It is recommended that you use OSHA approved eye protection and leather gloves whenever using this torch.**

 **DO NOT use this torch in any area containing flammable vapors such as gasoline, paint thinner, or degreaser.**

 **DO NOT use this torch near flammable material such as dead & dry weeds, pine needles, sawdust, & paper.**

- This torch is only intended for outdoor use only.
- This torch is designed for use with a vapor fuel source ONLY (ie: LPG, Propane, Natural Gas)
- Only allow properly trained adults to operate this torch.
- Do not allow children to operate this torch.

SET-UP INSTRUCTIONS

Before you begin ...

- Inspect all material for damage.
- Make sure all brass connectors are free from breaks or damage.
- Make sure torch assembly is not bent or broken.

 **DO NOT USE THIS TORCH IF ANY PART IS DAMAGED OR BROKEN**

 **IT IS THE RESPONSIBILITY OF THE USER TO PROVIDE APPROVED GAS AND AIR HOSE FOR THIS TORCH SYSTEM** (refer to back cover illustration)

You must provide a UL listed VAPOR fuel service gas hose with 9/16"-18 LH connections, an appropriate fuel regulator (for no more than 30 PSI outlet pressure rating) and a VAPOR fuel source with back-flow prevention. This fuel source must be approved by the local municipal governing agency.

Inspect the threaded brass connectors on all fuel connection fittings for damage.

If damaged, do not use the torch. Connect the fuel line to the fuel supply source. (Refer to back cover illustration).



DO NOT OVERTIGHTEN

Make sure the torch control valve is turned completely **OFF** (Fully Clockwise). **SLOWLY** open the gas valve on the fuel supply source. Immediately check for any fuel leaks on the torch control valve, the gas hose, the fuel supply pressure regulator, and all other fuel connector fittings, using a gas leak detection solution (available at your local LP Gas Retailer).



DO NOT USE A MATCH OR ANY OTHER OPEN FLAME TO DETECT FOR GAS LEAKS.



DO NOT OPERATE OR ATTEMPT TO LIGHT OR OPERATE THIS TORCH IF THERE IS ANY EVIDENCE OF A GAS LEAK OR YOU SMELL GAS.

If a leak is discovered, immediately turn OFF the gas valve on the fuel supply source.

LIGHTING INSTRUCTIONS

Before you begin ...

Make sure you have followed the SET-UP INSTRUCTIONS completely.

SLOWLY open the gas valve on the fuel supply source. Check all connections on the torch, hose and fuel supply source for leaks, using a gas leak detection solution (available from your local LP Gas supplier). Watch all connections carefully. If bubbles appear, a leak is present in that area. Shut OFF the gas supply valve.



DO NOT OPERATE OR ATTEMPT TO LIGHT OR OPERATE THIS TORCH IF A LEAK IS PRESENT.

Open the gas control valve on the torch 1/8 of a turn, or until a small amount of gas begins to escape from the torch. Using the flint striker supplied with your torch kit, ignite the gas at the burner head end of the torch.



NEVER USE A MATCH OR CIGARETTE LIGHTER TO IGNITE THE GAS – THIS CAN LEAD TO SERIOUS BURNS AND INJURIES



DO NOT ATTEMPT TO IGNITE THE GAS FOR MORE THAN FIVE (5) SECONDS

If you cannot light the torch within 5 seconds, turn OFF both the gas control valve on the torch and the gas supply valve. Adjust the size of the flame by using the adjusting knob on the gas flow control valve on the torch.



IMPORTANT PERFORMANCE NOTE

Using the air supply to inject compressed air into the flame will produce an extremely intense flame (similar to that of a welding, or cutting torch used in metal fabrication). Use extreme care not to overheat the item or area you are attempting to heat. It is possible to allow excessive amounts of both gas and/or air into the combustion (flame). Do not operate the torch if the flame has been extinguished. **Immediately turn OFF THE GAS CONTROL VALVE on the torch and SHUT OFF the fuel supply.**

The best method to establishing a good and stable flame is to start small, allowing only a small amount of fuel and air into the combustion. Then *SLOWLY* increase both the fuel and air until the desired flame intensity is achieved.



If your torch is still not performing at a normal level, have your local propane supplier verify that your propane supply cylinder is operating correctly.

SHUT-OFF INSTRUCTIONS

Turn OFF the valve on the gas supply cylinder first. Allow all of the gas to burn completely and the flame to extinguish at the burner head. Turn OFF the gas control valve on the torch.