

# Propane Torch Kit

## ASSEMBLY, TESTING, AND OPERATING INSTRUCTIONS

*PLEASE READ AND RETAIN THIS INFORMATION FOR FUTURE REFERENCE*

*DO NOT OPERATE this torch, unless you have been properly trained or are under the supervision of someone in its proper use. Read and understand all instructions before attempting to use!*

### FOR YOUR SAFETY!

- This device is intended for outdoor use only with adequate ventilation.
- This torch is designed for use with a vapor-withdrawal LP Gas cylinder.
- Eye protection, gloves, proper fire retardant clothing, and boots should be worn when operating the torch.
- NEVER direct torch flame toward hose or gas tank.
- DO NOT leave torch unattended while torch is in operation.
- NEVER point the torch at Flammable materials you do not want to burn.
- DO NOT stand or prop the torch on the burner end while in operation.
- DO NOT use matches or a cigarette lighter to light the torch. ALWAYS use a spark lighter.
- Secure LPG cylinders in a level, upright position during operation. DO NOT lay tank on its side.
- DO NOT lift tank by the valve.
- When not in use, the gas should be turned off at the LP gas tank. Close the torch valve as well.
- Have an ABC Fire Extinguisher readily accessible during the operation of the torch.
- DO NOT apply heat or flame to tank, hose, or torch to check for leaks, or to increase the gas pressure.
- CAUTION: In daylight the flame is barely visible, DO NOT place hands or body parts in the path of the flame while lighting or operating the torch.
- DO NOT use torch in areas where gasoline or other flammable vapors are stored or used.

### IF YOU SMELL GAS!

- DO NOT operate torches or any equipment if the odor of LP Gas is present.
- IMMEDIATELY shut off all valves and extinguish any open flames.
- Check all equipment for leaks using soapy water.
- REPAIR all leaks and test for leaks prior to lighting the torch.

### ASSEMBLY INSTRUCTIONS

- Unpack and inspect for damage. DO NOT use if damaged.
- Attach hose to end of brass valve on torch. Make sure the Teflon thread sealant is in place or use any thread sealant suitable for use with LP Gas. Tighten fitting with wrench, but do not over tighten. Check the connection of the hose to the POL fitting to make sure it is tight using a wrench.
- Attach POL fitting to LP Gas Tank (Remember this is a left hand fitting). DO NOT USE THREAD COMPOUND! LP Gas cylinder is to be no less than 20 LB. Capacity.
- Slowly open the cylinder valve. Check all LP Gas connections for leaks using soapy water. DO NOT attempt to operate the torch if there is any odor of gas.

### LIGHTING INSTRUCTIONS

- IMPORTANT NOTE!... The P. O. L. contains an integral flow-check valve. Opening the LP Gas cylinder valve rapidly can cause the valve to check and restrict the flow of gas. If the POL flow valve checks, close the LP Gas cylinder valve, wait 20 seconds and slowly open the LP Gas cylinder valve. If NO leaks are found, proceed with lighting the torch.
1. Check all connections for leaks with a soapy water solution. Leaks will be indicated by bubbles forming around the source. Repair all leaks and test again before lighting the torch
  2. Open the torch valve 1-8 turn until the sound of gas escaping is heard.
  3. Using a flint lighter, NO MATCHES OR CIGARETTE LIGHTERS, ignite the torch.
  4. Adjust the flame using the torch valve on the handle to desired size of flame and heat.

### TORCH SHUT OFF INSTRUCTIONS

1. Close the LP Gas cylinder Valve.
2. Allow the gas to burn out of hose. After the flame is no longer burning, turn the flame adjusting valve to the closed or OFF position.
3. Be careful as the torch head is very hot.

### TORCH DISCONNECTION AND STORAGE

1. Be sure the supply cylinder valve is turned off.
2. Disconnect the POL valve from the tank.
3. Replace the plastic plug into the cylinder valve outlet.
4. NEVER attempt to store the torch while hot. When the torch is stored indoors it must be disconnected from the tank in accordance with Chapt. 5 of ANSI/NFPA 58.
5. Store the torch and hose in a clean, dry, and protected area.

### SPECIFICATIONS

- Maximum BTU Output – 500,000 BTU
- Maximum supply pressure – 170 PSI
- Minimum supply pressure – 18 PSI
- Minimum cylinder size – 20 lbs.

### SAFETY INFORMATION

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| CSA 2-94   | “US Requirements for hand-held LP torches for use with fuel supply”  |
| ANSI Z49.1 | “Safety in welding and cutting”                                      |
| NFPA 54    | “ National fuel gas code”  |
| NFPA 58    | “Standard for the storage and handling of liquefied petroleum gases” |