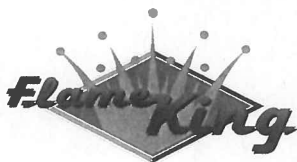


HEAVY DUTY ROOFING TORCH



Please Read All Instructions and Save These Instructions For Future Reference.

- This device is intended for outdoor use only.
- This torch is designed for a vapor-withdrawal LP-Gas cylinder only.

Operating Instructions and Parts Manual For Models:

Model	BTU	P.S.I. Range	Normal Range
PQ-5000T	500,000	5-60 P.S.I.	25 P.S.I.

Minimum cylinder size - 30 lbs



Conforms to UL 147 - 2016
Certified to CGA 2.29 - 1997 (R2014)
Safety Hand-Held Torches for Fuel Gases

Safety Check List:

- Gloves should be used at all times. Long sleeves, long pants & boots are recommended.
- Use only vapor torches on cylinders equipped with vapor withdrawal valves.
- Secure cylinders in a level, upright position. Do not invert or lay cylinders on their sides.
- Do not apply flame to cylinders to check for leaks or to increase gas pressure.
- Keep torches, open flame and sources of ignition away from cylinders, regulators and hose.
- Do not operate torches or any equipment if the odor of LP-Gas is evident. Immediately shut off all valves and, using soapy water, check all equipment for leaks.
- Cylinder valves must be protected. Do not hoist a cylinder by the valve.
- Do not leave the torch unattended while in operation.
- Do not stand or prop the torch on the burner end while in operation.
- This equipment is for outdoor use only with adequate ventilation.
- Have a type ABC fire extinguisher on the job site, easily accessible to the person operating the torch.

Flame King Inc.
Gardena, CA 90249
(877)425-6508
www.flameking.com

IMPORTANT WARNINGS:

DO NOT OPERATE THIS EQUIPMENT IF:

- You are subject to seizures, loss of consciousness, or fainting.
- You have been drinking alcohol, using illicit drugs, or prescription drugs that might effect your judgment or balance.
- You have not read or do not understand the operator's manual.
- You are not capable of safely operating this type of equipment.

DO NOT ALLOW CHILDREN TO OPERATE THIS EQUIPMENT.

FOR YOUR SAFETY!

If You Smell Gas:

1. Shut off gas to the device.
2. Extinguish any open flame.
3. Check the device for leaks using soapy water.
4. DO NOT attempt to relight the device until leaks are repaired and there is no gas smell

DO NOT use this device in areas where gasoline or other liquids having flammable vapor are stored or used.

WARNING:

Use extreme caution at all times. You are using an intense open flame. This torch produces an extremely hot and nearly invisible flame. Read and follow the Safety Check List and Daily Equipment Check List before attempting to operate this torch.

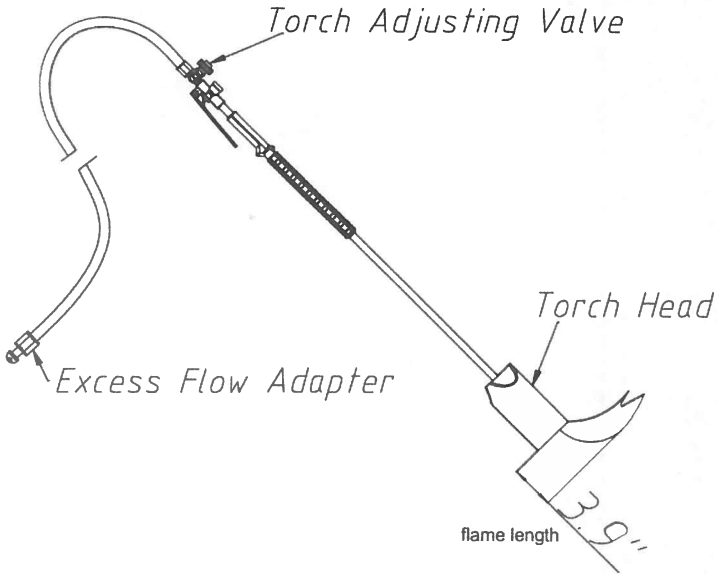
CAUTION

- Propane is heavier than air which can cause it to accumulate in low areas. Be certain all areas are well ventilated.
- Propane has a distinct ODOR. If you smell it, IMMEDIATELY discontinue work, extinguish all flames, locate the leak and correct it, ventilate area before lighting torch.
- Use extreme caution at all times. This device has an intense open flame. Disregard of safe practices can result in severe fire damage, personal injury, or possible death.
- Never direct torch flame toward any person or animal.

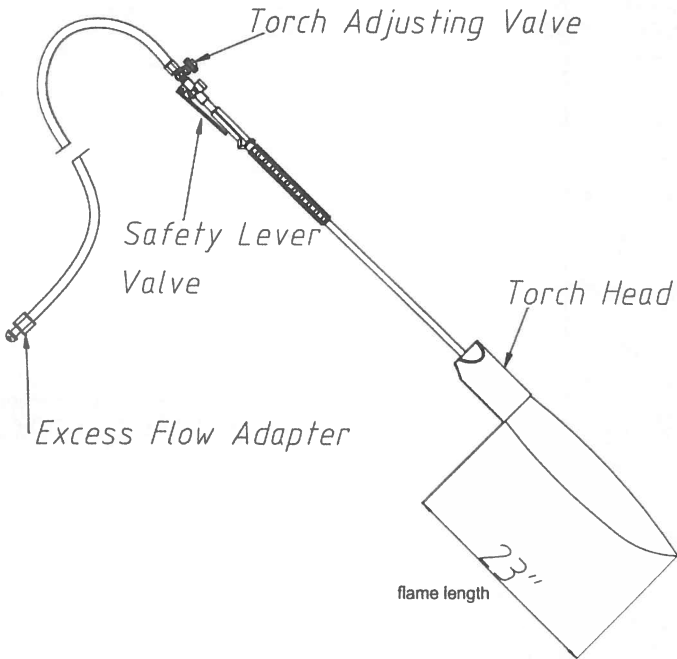
NOTE: ANY OTHER SERVICING SHALL BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE.

Assembly Instructions and Parts List Diagrams:

I. Open torch adjusting valve to lighting the basic flame



II. Keep the basic flame, when the safety lever valve is depressed, the flame become super flame



Connecting To The Supply Cylinder:

The propane supply cylinder used with this torch should be no less than 20 lb. capacity and must be designed, fabricated, tested and marked in accordance with regulations of the U.S. Department of Transportation, the Canadian Transport Commission or the Interstate Commerce Commission. Supply cylinders must be arranged to provide for vapor withdrawal from the operating cylinder.

1. Inspect the nut/nipple of the P.O.L. connection on the LP-Gas hose. Check for dents or physical damage. The O-ring should be present on nipple fitting. If damage is evident, call for replacement parts.
2. Be certain the supply cylinder valve is fully turned off. Remove the protective plastic plug from the cylinder valve outlet connection.
3. Connect the P.O.L. nut/nipple fitting on the hose to the propane supply cylinder by turning the left hand threaded P.O.L. nut counter clockwise into the cylinder valve outlet. Snug the connection tight with a wrench. **DO NOT OVER TIGHTEN.**
4. Slowly open the cylinder valve. Check all LP-gas connections for leaks using soapy water or suitable leak detection solution. **DO NOT USE MATCHES OR OPEN FLAME TO CHECK FOR LEAKS.** Do not attempt to operate the torch if there is evidence of a leak or at any time the odor of gas is detected.

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. If the P.O.L. flow valve checks, close the LP-Gas cylinder valve, wait 10-15 seconds and slowly open the LP-Gas cylinder valve.

- If no leaks are found, proceed with lighting the torch.
- Always use a flint lighter to ignite the torch. **DO NOT USE MATCHES OR CIGARETTE LIGHTER TO IGNITE THE TORCH.**
- Be certain the flame adjusting valve is closed before opening the LP-Gas cylinder valve.

1. Close all valves.
2. Open cylinder valve slowly.
3. Point torch away from person and/or any flammable materials.
4. Open torch adjusting valve about 1/8 of a turn or until a small amount of gas is heard escaping when the safety lever valve is depressed.
5. Ignite torch by using the igniter supplied with the torch. **DO NOT USE CIGARETTE LIGHTER.**
6. If gas shows signs of restricted flow, the excess flow adapter may have activated. To reset:
 - a) release safety lever valve and close torch adjusting valve and cylinder valve.
 - b) Depress safety lever to bleed off residual pressure. Release lever.
 - c) Wait 10-20 seconds.
 - d) Open cylinder valve slowly once again and torch adjusting valve, depress safety lever valve and ignite
7. If torch continues to not operate properly, turn all valves off and check tank to be sure it is not empty and has enough propane. If the tank is not empty, the problem may be in torch. Then send back to seller to replace the torch.

8. Adjust torch with the torch adjusting valve to control flame intensity.

9. Follow all instruction and warnings.

Torch Shut-Off:

1. Release safety lever to have basic flame.
2. Close the LP-Gas cylinder valve. Allow the gas to burn out of hose. After the flame no longer visible, turn the flame adjusting valve to the closed or "off" position. **TO RESTART** follow lighting instructions.

Disconnecting From The Supply Cylinder:

1. Be certain supply cylinder valve is turned off.
2. Disconnect the P.O.L. nut/nipple fitting on the LP hose to the propane supply.
3. Replace the protective plastic plug into the cylinder valve out

Maintenance:

- Surfaces of the torch may be cleaned with soap or detergent a water solutions. Do not use petroleum-based cleaners to clean a components of the torch or the torch body.
- Remove any debris and combustible material from the torch. The torch must be kept clear and free from combustible materia gasoline and other flammable vapors and liquids.
- The supply hose assembly shall be visually inspected prior to each torch use. If there is excessive abrasion or wear, or the hose cut, it must be replaced prior to the torch being put into operation. The replacement hose assembly shall be specified by Flame Engineering, Inc. Contact Flame Engineering for further information.

NOTED: ANY OTHER SERVICING SHALL BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE

Storage:

Never attempt to store the torch while it is hot. When the torch is stored indoors, the connection between the LP-Gas supply cylinder and the torch must be disconnected and the cylinder removed from the torch and stored in accordance with Chapter 5 of ANSI NFPA 58, the standard for storage and handling of liquefied petroleum gases. Do not store the torch in locations where it may be damaged.

WARNING

The gas supply hose shall be protected from traffic, building materials and contact with hot surfaces during use and while in stor

Daily Equipment Check List:

- Visually inspect all parts of the torch equipment for damage and wear. If the hose shows excessive abrasion or wear, or if the hose is cut, replace it before operating the torch. Replace torch hose assembly with test laboratory listed LP-Hose, 350 P.S.I. working pressure.
- Using a soapy water solution, check all connections and fittings for leaks. **DO NOT USE A MATCH OR OPEN FLAME TO TEST FOR LEAKS.**
- Check LP cylinders for dents, damage to collar, damage to valve, or corroded foot ring. Do not use damaged cylinder. Know if you are using liquid or vapor withdrawal. **USE ONLY VAPOR WITHDRAWAL CYLINDER WITH THE THESE TORCH KITS.**
- For outdoor use only.
- Ignite torch. Check operation of valve and other adjustable parts. Note: when extinguishing a torch, shut-off cylinder valve first and allow gas to burn out of lines.

Important Safeguards:

When using torches, basic safety precautions should always be followed:

A. READ ALL INSTRUCTIONS.

- B. Before using, check all parts for proper function and damage to components parts.
- C. Do not use this torch to heat, mold or bend plastic sheets, moulding or tubing.
- D. Hidden areas such as behind walls, ceilings, floors, soffit boards and other panels may contain flammable materials that could be ignited by the heat gun when working in these locations. The ignition of these materials may not be readily apparent and could result in property damage and injury to persons.

When working in these locations, keep the torch moving in a back-and-forth motion. Lingering or pausing in one spot could ignite the panel or the material behind it.

E. Do not use this torch to remove paint (if the torch can be used to remove paint, items (F) and (G) below shall be used.

F. **WARNING:** Extreme care should be taken when stripping paint. The peelings residue and vapors of paint may contain lead, which is poisonous. Any pre-1977 paint may contain lead and paint applied to homes prior to 1950 is likely to contain lead. Once deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable. Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check the lead content of the paint to be removed. **LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL AND SHOULD NOT BE REMOVED USING A TORCH.**

G. Persons removing paint should follow these guidelines:

1. Move the work piece outdoors. If this is not possible, keep the work area well ventilated. Open the windows and put an exhaust fan in one of them. Be sure the fan is moving the air from inside to outside.

2. Remove or cover any carpets, rugs furniture, clothing, cooking utensils and air ducts.
3. Place drop cloths in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.
4. Work in one room at a time. Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.
5. Children, pregnant or potentially pregnant women and nursing mothers should not be present in work area until the work is done and all clean up is complete.
6. Wear a dust respirator mask or a dual filter (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These mask and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep masks from sealing properly. Change filters often. **DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.**
7. Use caution when operating the heat gun. Keep the heat moving, as excessive heat will generate fumes, which can be inhaled by the operator.
8. Keep food and drink out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.
9. Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surface where paint or dust is clinging. **DO NOT SWEEP, DRY DUST OR VACUUM.** Use a high phosphate detergent or trisodium phosphate (TSP) to wash and mop areas.
10. At the end of each work session put the paint chips and debris in a double plastic bag, close it with tape or twist ties and dispose of properly.
11. Remove protective clothing and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.

H. SAVE THESE INSTRUCTIONS.



Prop. 65 Warning for California Residents

Handling the brass material on this product exposes you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.p65warnings.ca.gov