

## SAFETY INFORMATION

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### Check List For Safe LP-Gas Use

1. DO NOT use torches on or near combustible materials.
2. Inspect equipment daily.
3. Secure cylinders in a level, upright position. DO NOT invert or lay cylinders on their sides.
4. Use only vapor equipment on cylinders equipped with vapor withdrawal valves. Use only liquid equipment on cylinders designed for liquid withdrawal. DO NOT invert vapor cylinders to dispense liquid.
5. DO NOT apply flame to cylinders to increase pressure.
6. DO NOT operate torches or any equipment if the odor of LP Gas (butane/propane) is evident. Immediately shut off all valves and, using soapy water, check all equipment for leaks.
7. LP Gas (butane/propane) is heavier than air which causes it to accumulate in low areas. Check low areas for accumulation and ventilate. Be certain all work areas are well ventilated.
8. Keep torches, open flame, and sources of ignition away from cylinders, regulators, and hose.
9. Cylinder valves must be protected. DO NOT hoist cylinder by the valve.
10. Gloves should be used at all times. Long sleeves, long pants, and boots are recommended.
11. Never leave a lighted torch unattended.
12. For more detailed information, consult your local LP dealer, Flame Engineering, NPGA, NRCA, or NFPA Pamphlet 58. This information is provided as a general guide for safe LP-Gas use and in no way constitutes a complete safety program.

### Daily Equipment Check List

1. Be sure you have a fire extinguisher (type ABC) on the job, easily accessible to each worker.
2. Check LP cylinders for dents, damage to collar, damage to valve or corroded foot ring. Never hoist a cylinder by the valve. Secure cylinders in an upright position. Know whether you are using LIQUID or VAPOR WITHDRAWAL.
3. Visually inspect all parts for damage and wear.
4. Using soapy water, check all connections and fittings for leaks. DO NOT use a match or open flame.
5. Ignite torch. Check operation of valve and other adjustable parts.

### SAFETY NOTES:

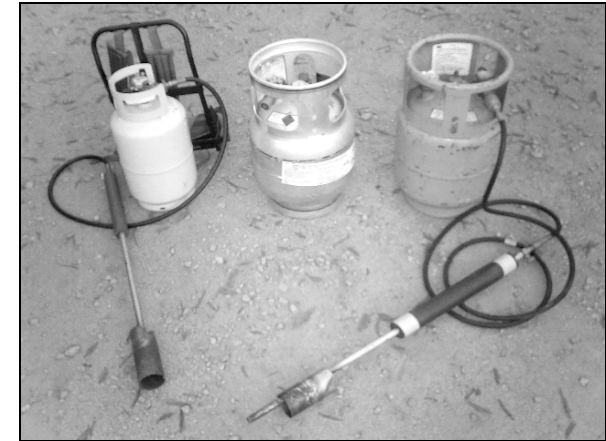
- When extinguishing a torch, shut off cylinder valve and allow gas to burn out of lines.
- Be certain to comply with all safety guidelines and local ordinances regarding the use of an open flame.
- Please contact Flame Engineering, your local LP-Gas dealer or fire officials if you have questions regarding proper operating procedures and safety guidelines.

### CAUTION:

- Propane is heavier than air, which causes 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, find the leak and correct it.

### WARNING:

Use extreme caution at all times. You are using an intense open flame. Disregard of safe practices can result in severe fire damage, serious personal injury or death.



**FLAMING EQUIPMENT.** A backpack-mounted torch (*above, left*) is useful for flaming in hilly areas. An aluminum cylinder (*center*) is lightweight. A liquid withdrawal cylinder and torch (*right*) will not frost over as vapor systems can. *Photo: Ken Moore*



**SAFE FLAMING.** Light rain provides ideal conditions for optimum safety and effectiveness of flaming. *Photo: Cynthia Harrington*