



DIRECTIVE

No: D-G5 051206 6

REVISION: 01

GUIDELINES FOR TEMPORARY PROPANE INSTALLATIONS

This Directive is being issued by a provincial safety manager pursuant to section 30 of the Safety Standards Act.

Date of Issue: December 11, 2007

General Details

This bulletin provides guidelines and direction for temporary propane installations at locations such as trade shows, sales displays, fairs, exhibitions and movie sets.

Specific Details

These minimum practices must be observed for temporary propane installations:

- 1) All equipment must be installed in accordance with the latest edition of the CSA B149.1 and B149.2-05 Codes.
- 2) Depending on the time and volume of gas required, it may be advantageous to install a larger cylinder instead of several smaller cylinders. The larger cylinders are more stable and have less chance of being knocked over. They can also be refilled during off hours.
- 3) All temporary installations must have at least one portable fire extinguisher of not less than 20-B, C rating installed in a readily accessible location.
- 4) Always maintain clearances to all combustible material in accordance with CSA B149.1 and B149.2 or local regulations.
- 5) Cylinders or tanks installed within a tent or building must contain not more than 5lb. of propane. The cylinder must be equipped with a cylinder valve that does not permit the flow of propane until a positive seal has been achieved.
- 6) Cylinders must be positioned such that the pressure relief valve points away from areas that the public may gather or where there may be a source of ignition. Never point the relief opening towards a tent or other combustible material.
- 7) Cylinders must be in an upright position on a firm footing and secured to prevent them from being accidentally tipped over.
- 8) Never place installation where they block entrances or exits. A means of access for fire fighting using a fire extinguisher shall be provided to the propane equipment and storage area.
- 9) Maintain all required clearances for the propane appliances. Reduced clearances are subject to the approval of a safety officer and require on-site approval.



- 10) Protect the propane cylinders from any heat source within 6 feet of the cylinders.
- 11) Protect and secure all gas piping and/or hose from damage from people and vehicles.
- 12) Use only valves, regulators hose, tubing, pipe and fittings that are certified for use with propane. All components must be checked for their certified pressure rating.
- 13) All appliances must be designed and certified for operation with propane and installed in accordance with the manufacturers certified instructions.
- 14) All thermostatically controlled appliances must be equipped with safety shut-off controls. All controls must be checked for proper working order.
- 15) Prior to start-up and each time a cylinder is changed, check the system for leaks, using a suitable leak detector or leak detector solution. **DO NOT USE AN OPEN FLAME.**
- 16) When changing cylinders, clear the area within 15 feet of the cylinder installation of all sources of ignition, including appliances, and smoking material. Use a properly sized wrench in making connections.
- 17) All spare and empty cylinders must be stored outdoors in a secured area. Cylinder valve outlets must be capped when not in use.
- 18) Give complete operating and installation instructions and warnings to those using the equipment. Demonstrate how the system is to be safely shut down in the event of an emergency. Instruct the operators to shut the system down and close all cylinder valves when the system is not in use. Document that this information was provided and retain a copy of this documentation in your files.
- 19) Only qualified gas fitters may make repairs to gas appliances or equipment.
- 20) For mall displays the maximum size of the cylinders must be as per CSA B149.2 - 00 Code (contain not more than 5 lb. of propane). There must be a separation of 20 feet between locations.
- 21) **WHEN THE EVENT IS OVER, DISCONNECT AND PROMPTLY REMOVE THE GAS INSTALLATION AND EQUIPMENT FROM THE SITE.**

A handwritten signature in blue ink that reads "Wayne Lock".

Wayne Lock
Provincial Safety Manager, Gas



For more information, contact your local safety officer or visit our web site at:

www.safetyauthority.ca

Links

Gas Safety Regulation

http://www.qp.gov.bc.ca/caaws/safetystandards/GasSafety103_2004.pdf