

P•T•I 400-03

Connection & Use of Construction Heaters over 400,000 BTUH



Course Overview

This course has been designed for individuals who use propane powered construction heaters with a BTUH output greater than 400,000. The student may attend an instructor-led training course or, upon the direction of a P•T•I certified Trainer, study the course manual and attend a specialized review session and demonstration of correct procedures by a P•T•I certified Trainer. In either case, the certification requirements listed below must be achieved in order to successfully complete the course. It should be noted that the connection and disconnection of tanks and vapourizers utilized with high output construction heaters can only be completed by certified gas technicians with appropriate liquid propane endorsements.

Key Learning Objectives

The student will gain knowledge in the following key areas:

- **Product Knowledge**
Includes instruction on the properties and characteristics of propane; personal protective equipment required; preventative measures and first aid tips specific to propane; understanding sources of ignition and testing for leaks.
- **Propane Cylinders**
Students will gain an understanding of the various types and sizes of propane cylinders; receiving and storage of cylinders at the construction site; transporting cylinders around the construction site; regulatory requirements of cylinder use.
- **Propane Tanks and Vapourizers**
Includes instructions related to the proper location of propane tanks and vapourizers, and protecting them from damage, vapourization rates, how vapourizers operate, and appropriate emergency precautions and procedures.



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- **Construction Heaters and Equipment**

Includes instruction on the roles and responsibilities of construction heater users and rental companies; types of construction heaters; rules of the safe use of construction heaters; electrical requirements, combustion and ventilation; propane torches; hoses, fittings and regulators.

Regulatory References

This course has been designed to satisfy regulatory requirements of the most current CAN/CSA-B149.1 Natural Gas and Propane Installation Code and the CAN/CSA-B149.2 Propane Storage and Handling Code. While this course has been written to satisfy national requirements, the P·T·I certified Trainer will also ensure that the student is aware of any additional requirements as outlined by the authorities in their jurisdiction.

This course satisfies national and provincial regulatory requirements including *CH-1* ROT requirements in Ontario; *TAG-1* requirements in Quebec; and *Class G-2* ROT requirements in Nova Scotia.

Certification Requirements

The student must successfully complete both a written and practical hands-on exam provided by a P·T·I certified Trainer. A temporary Record of Training will be issued to the student by the P·T·I certified Trainer valid for ninety days. The Propane Training Institute will issue the student a paper wall certificate and a plastic wallet card certifying successful completion of the course. P·T·I certification is valid for three years from the date of training.

Course Duration

The course can be completed in six to eight hours including classroom instruction, demonstration of correct procedures, written exam and practical hands-on exam. Overall duration of an individual course will vary depending on the number of students in the class and their individual skill level.

The cost of classroom instruction is determined by the Trainer and is dependent on where the training will be held and for how many students.