

P·T·I 400-08

Connection & Use of Propane Torches



Course Overview

This course has been designed for individuals who use propane hand-held torches. Students who also require instruction on the safe connection and use of construction heaters (up to 400,000 BTUH) may take P·T·I's 400-01 – *Connection and Use of Construction Heaters* course instead of this course. 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.

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 Torches, Regulators and Hoses**
Includes instruction on connecting a torch to a vapour system; connecting a torch to a liquid system; checking for leaks; lighting and shutting down the torch; maintaining proper vapourization pressure; combustion and ventilation; pressure regulators; hoses.



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-02* ROT requirements in Ontario 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 approximately four 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.