PPI Continuing Education Program

CPVC Pipe & Tubing Systems for Plumbing and Mechanical Applications

An ASPE-accredited course

Course Outline: This course is intended to address the essential information that installers and inspectors need to know about CPVC pipe and tubing, one of the most common plastic pressure pipe materials for plumbing and mechanical systems.

CPVC material is used to produce high-temperature pressure pipe and fittings rated for operation up to 200°F (93°C). It was first introduced for plumbing distribution in 1959 (60+ years ago) and then introduced for fire protection life safety applications in 1985. Today, CPVC systems are approved in all model codes and widely used for hot- and cold-water distribution, water service, hydronic heating and cooling, industrial, and process piping applications.

This ASPE-accredited course will explain how to select and specify CPVC pipe and tubing materials and their capabilities. US and Canadian product standards will be discussed. Several joining options will be described as well as proper installation techniques. Methods for sizing CPVC piping systems, as well as how to access information about chemical compatibility, will be also addressed.

Course content is based on PPI TN-62 Suitability and Fitness of CPVC Piping Systems for Commercial Building Applications and other PPI publications.

Learning Objectives: By the end of this course, participants will be able to:

1. Describe CPVC pipe and tubing materials in terms of history, standards, material properties, capabilities, and code compliance.
2. Demonstrate CPVC joining techniques.
3. Indicate where and how to use CPVC piping materials in applications such as plumbing distribution, fire protection, hydronic heating and cooling, and water service.
4. Discuss installation requirements for CPVC plumbing applications by addressing sizing, solvent cement details, fastening, hanging, supporting, pressure-testing, and more.
5. Explain how to access industry resources related to CPVC piping materials.

A request to schedule a webinar can be made through this link: Webinar Request

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