
SECTION HEADING

PLMB 1180: Water Piping and Sizing

Description

Water Piping and Sizing will familiarize the learner with water supply and distribution. The course will include Minnesota Plumbing Code rules for the sizing a water supply system. Drawing isometrics will be introduced. Students will apply knowledge and design and build systems utilizing different pipe sizes.

Credits

4

Prerequisite

None

Corequisite

None

Topics to be Covered

1. How building water supplies are distributed and supplied.

Learning Outcomes

1. Demonstrate knowledge of key points of water distribution per plumbing code.
2. Demonstrate how to size the main water supply to a building
3. Demonstrate how to size the building water supply and branch lines.
4. Demonstrate how to size a manifold header type water supply system.
5. Demonstrate the ability to extrapolate information from the water distribution tables.
6. Perform basic math functions in regards to friction loss atmospheric pressure and building.
7. Draw individual fixture water supply isometrics.
8. Draw fixture group water supply isometrics.
9. Draw a building main water supply and branch line isometrics.

Credit Details

Lecture: 1

Lab: 3

OJT: 0

MnTC Goal Area(s): None