

Seminar Title: Fire Pumps Systems

Seminar Description: This one-day seminar was developed for people who have a basic knowledge of hydraulics and want to add knowledge of fire pumps to their repertoire. The seminar will include a discussion of types of pumps, piping arrangements, equipment needed with the pump assembly, controllers, sizing pumps properly, dealing with multiple water supplies, and conducting acceptance testing.

Total Instructional Hours: 8 Contact Hours

Learning Objectives: At the conclusion of this seminar the participant will be able to:

1. Describe and identify the different types of fire pumps, their applications, & their advantages and disadvantages of putting pumps in parallel and in series.
2. Identify acceptable arrangements of suction pipe and describe the reasons for unacceptable arrangements.
3. Calculate the suction pressure that will occur at a fire pump.
4. Select an appropriately sized fire pump for a given fire protection system.

Seminar Format(s): Lecture, Discussion, Activities

Participant Materials: Participant Guide (Participants are encouraged to bring a copy of NFPA 20)

Assessment Method: In class discussion