



Training that makes a difference

Fire Tech Productions, Inc. • 7986 B Clio Rd. • Centerville, OH 45459
(937) 434-FIRE (3473)

3-Day Hands-On Fire Pump Inspections & Maintenance Workshop – Indianapolis, IN

Workshop Location: Grundfos - Indianapolis, IN & US Automatic – Carmel, IN

Objective: To provide the student with a thorough understanding of the proper techniques needed to conduct maintenance, inspection and testing of fire pumps, in accordance with NFPA 25 (Chapter 8) requirements. The following are included in the Fire Pump Inspections & Maintenance workshop:

- Fire Pump Presentations & Discussions
- Hands-On Labs
- Fire Pump Tear Down & Rebuild of Horizontal Split Case, Inline and Vertical Turbine Pumps
- Fire Pump Flow Testing with FlowRig, Hose Monster & Flow Buster
- Burn Room & CO2 demos

Course Syllabus:

Day 1

- Welcome & Safety
- Pump Familiarization – What makes it a Fire Pump, Pump room inspection, NFPA 20, Anatomy of a Fire Pump, Key Terms, Special features of each of the pumps, nuts and bolts of NFPA 20 , What makes it a UL pump, FM pump, risk discussion
- Packing presentation: Pump terms and anatomy
- Plant Tour
- Factory Test
- Hands-On – Tear Down and Rebuild of Fire Pumps



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Day 2

- Hands-On – Continued from Day 1, Tear down and rebuild of pumps
- Presentations
 - Troubleshooting – Per NFPA 25, Annex C
 - Fire Pump Inspections
 - Review Forms & frequency of inspections
 - Alignment - straight edge and dial indicator

Day 3

- Presentations
 - Voltage Readings
 - Controllers
 - Weekly, monthly, annual, and 5-year Fire Pump Inspection Requirements
- Flow testing Labs: annual flow testing of fire pumps, how to get started, tools and setup procedures, testing, and plotting the pump curve.
- Flow test lab using Pitot tubes with FlowRig, FlowBuster, and Hose Monster.

Course Includes:

- Tabbed NFPA 25 2014
- Workshop Manual
- Survival T-Shirt

Course Summary and Evaluations:

“The hands on makes the difference.” – Eric R. of OH, AUG 2018

“I’ve been in the fire protection trade for over 25 years and learned a great deal in just the last 3 days that I had not learned in my life time.” – James A. of TX, APR 2018