



Peerless® Boiler Live-Fire Training Agenda - **Tuesday**

Location: Peerless® Boiler Training Lab & Trailer, Boyertown, PA

- 1:30 PM** Welcome and Program Outline
- 1:35 PM** Cast Iron Foundry, Machining & Assembly Tour
- 3:15 PM** Coffee Break in Training Center
- 3:30 PM** Color of Steam
- Steam Boiler Sizing, Radiator Sizing Charts, Square Ft of Steam vs BTUs
 - Knocking out Water Hammer - Steam Velocity, Pipe Pitch
 - Near Boiler Piping, Hartford Loop, Swing Joints, Dimension A, Drop Headers
 - Clean, Dry Steam from Boiler Skimming
 - Pressuretrols, Vaporstats, Low Water CutOffs
 - One-Pipe vs Two-Pipe, Vents and Traps
- DE™ Gas-Fired Boiler
- Breakdown Electronic Ignition and Safety Controls, Check Gas Pressure
 - Fuel Conversion with Gas Valve & Pilot, Wiring Controls
- 5:00 PM** Dinner in Training Center (Buffet Style)
- 6:00 PM** Coffee and Dessert at Boyertown Museum of Historic Vehicles -
Located 6 blocks from Training Center - Complimentary one-hour
guided tour of museum is included.
- 7:00 PM** Check in at Comfort Inn if staying over



Peerless® Boiler Live-Fire Training Agenda

Wednesday

- 7:00 AM** Continental Breakfast in Hotel + Coffee & Pastries in Training Center
- 7:15 AM** WBV™ Oil-Fired Boiler – Burner Set-up
- Combustion Analysis, CO₂ vs O₂, Efficiency, Draft, Oil Pressure & Piping
 - Burner Breakdown, Nozzle Change & Size, Electrode Setting, Air Settings
 - Wiring Burner and Controls, Power Venter vs Direct Vent
 - Annual Service & Tune-up, Cleaning Flue Passages and Chamber
- Hydrostat® Controls for Cast Iron Boilers
- Preventing Flue Gas Condensation
 - Control wiring with system controls
 - Temperature setting & mounting options
- Heat Load and Energy Savings Calculations
- 9:00 AM** Coffee Break in Training Center
- 9:15 AM** Residential PureFire® Condensing Gas-Fired Boiler
- Gas Valve Breakdown and Settings
 - Exhaust Venting Options that Don't Kill the Boiler
 - Learn How to Use Electronic Analyzer to Tune Good Combustion
 - Fuel Conversion: Natural Gas & LP – All It Takes is a Screwdriver and Analyzer
 - Ignition Control – Learn the (not so) Hidden Secrets
 - Combustion Chamber Inspection & Set-up – You Don't Need a Stethoscope
- Hands-on Training for PBC™ and PFW™ Installation, Set-up & Service:
- PBC™ Combi-Bloc Heat Exchanger, Pump and Fittings – It's All in There and You'll See How to Get Them Out, If You Want
 - Easiest Ways to Pipe DHW Loop Especially with Optional Plumbing Kits
 - What If the Potable Water is Hard (as a Rock)? Let's Treat That!
 - Three-in-One Vent Adapter – You Like PVC, PolyPro, Stainless? Pick One
 - How Much Do I Need? DHW Capacity Sizing and Flow Rate Calculations
- 11:45 PM** Lunch in Training Center
- 12:30 PM** The Big Guns - PFC™ Commercial PureFire® and Multiple Boilers + Q & A
- Making *Two* Burners Work in *One* Boiler and Combining Multiple Boilers
 - Multiple Boilers in One Vent System with Special "Flapper Valve"
 - Focus on Seminar Topics that Need a Second Look
- 1:00 PM** Program Wrap-Up
- Distribution of Certificates, Boiler Coupons and Seminar Feedback Forms

Thank You