



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

*Location: Boiler Training Lab, Display Trailer and
Training Classroom*

- 1:30 PM Welcome and Program Outline
- 1:35 PM Peerless Residential PureFire® Overview
- Boiler heat exchanger and other major components
- 1:45 PM Hands-on Training for PureFire® Installation, Set-up & Service:
- Gas valve settings & gas pipe sizing
 - Exhaust venting and combustion air intake
 - Combustion testing and adjustment
 - Fuel conversion: Natural Gas & LP
 - Condensation collection and drain
 - Combustion chamber inspection & set-up
- 3:15 PM Coffee Break in Training Center
- 3:30 PM Peerless PBC™ Combi & PFW Overview
- PBC™ Domestic hot water heat exchanger & DHW components
 - PFW200™ & PFW399™ conversion kit for large volume DHW
- 3:45 PM Hands-on Training for PBC™ and PFW™ Installation, Set-up & Service:
- PBC™ Combi-bloc heat exchanger, pump and fittings
 - Piping DHW loop and optional plumbing kits
 - Incoming water quality management
 - PBC™ Three-in-One vent adapter
 - DHW capacity sizing and flow rate calculations
- 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 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 Training Center
- 7:15 AM Foundry, Machining & Assembly Tour
- 9:00 AM Coffee Break in Training Center
- 9:15 AM PureFire® Boiler and Heating System Pipe Sizing
- *Peerless Color of Water manual and sizing software provided.*
 - Calculating heat loss with Peerless Boiler software
 - Quick methods to confirm building heat loss
 - Using heating output to size system piping
 - Best practices for system piping design
 - Converting output to flow rate and head loss for sizing circulators
 - Sizing other system components
- 10:30 AM Coffee Break in Training Center
- 10:45 AM Hands-on Training for PureFire® Installation, Set-up & Service:
- Wiring for PF™, PBC™ & PFW™ boilers including multiple zones
 - Confirming adequate grounding of boiler
 - Basic control set-up and accessing boiler diagnostics
 - Advanced control features such as multiple boiler cascade & outdoor reset, changing boiler output for heating or for DHW, etc.
 - Diagnosing common set-up errors and how to avoid them
- 11:45 PM Lunch in Training Center
- 12:15 PM PFC™ Commercial PureFire® and Building Management Systems
- Two-burner heat exchanger with flue gas “flapper” valve
 - Additional code considerations such as gas pressure switches
 - Overview of Building Management System interface
 - Multiple boiler configurations including two-boiler stacks
- 1:00 PM Program Wrap-Up, Distribution of Boiler Rebate Coupons, Evaluation & Thank You