



Service Training School Agenda

Day 1

8:00 Introductions / Agenda Review

8:15 Power Point Presentation – Company & Products Overview/Evolution Boiler

9:15 Plant Tour

9:30 Break

10:00 Apex Condensing Boiler - U.S. Boiler Lab Tour

10:45 Apex Condensing Boiler – Operation & Maintenance

- Identify sensor & key component locations
- Maintenance
 - Burner Access & Cleaning
 - Heat Exchanger Access & Cleaning
- Startup
 - Supply Gas Press
 - Gas Piping
 - Vent System configuration / Material
 - Supply/Return Water Piping/Pump
- Combustion Setup
 - Adjusting Dungs Gas Valve / Combustion Settings
 - Use of Exhaust Gas Analyzer
 - Identify testing locations and methods

12:00 Lunch (catered in)

1:00 Tech Topics

- Honeywell Flame Safeguard Fault Codes
- Airflow Problems
 - Relays – old style vs. new. How to change out
 - Fault Code “31” – Running Intlk
 - Combustion Air Switch (CAS)
- Common Field Service Issues
- Siemens Gas Valve Snubber Installation (high supply gas press)
- Siemens Gas Valve - Combustion Adjustments
- VFD History / Faults
- Understanding Wiring Diagrams
- RWF40 / RWF55 Programming
- Identify Key Devices

3:30 Evolution - Factory Firetest

4:15 Questions & Review

5:30 Social Hour

6:30 Group Dinner

Day 2

8:00 Review Previous Days Topics

8:15 Concert Control

- Power Point Presentation – Concert Control Overview
 - Navigating the Concert Display
 - How to adjust the Central heating, Domestic hot water and high limit set point from display
 - How to adjust outdoor reset menu parameters
 - How to adjust the Central heating setpoint temperature parameters
 - How to setup and tune the boilers response time, proportional rate, Central heat Low fire hold time and firing rate
 - How to program single and multiple boilers
 - How to adjust the pumps menu parameters
 - How to set up Eco Propel parameters
 - External inputs & BMS menu parameters
 - **Troubleshooting boiler alarms**

9:00 Arctic Condensing Boiler

- Identify sensor & key component locations
- Maintenance
 - Burner Removal & Cleaning
 - Heat Exchanger Access & Cleaning
- Startup
 - Supply Gas Press
 - Gas Piping
 - Vent System configuration / Material
 - Supply/Return Water Piping/Pump
- Combustion Setup - Firetest
 - Adjusting Dungs Gas Valve / Combustion Settings
 - Use of Exhaust Gas Analyzer
 - Identify testing locations and methods

9:45 Break



10:00 Thermal Solutions Boiler Control (TSBC)

- Menu Access & Options
- Setup & Basic Functions
- Expanded Functions
- Communication & Data Acquisition

11:15 New Product - Amp Condensing Boiler (Lab)

- Amp Boiler Product Design Overview
- Identify sensor & key component locations
- Burner Access and Cleaning
- Heat Exchanger Access and Cleaning

11:30 Questions and Review