

**Boilers & Water Heaters** 

# **APPLICATIONS** TRAINING

The Mestek Boiler Group, in conjunction with Complete Boiler Systems, invites you to attend a FREE one-day seminar covering the most modern boiler technologies and how they relate to boiler room operation. Take a deep dive into the myriad of boiler possibilities now available in this ever changing HVAC landscape.

Professional trainer Joe Stagg will teach everything needed to properly design a boiler system for higher efficiency and lower operational costs. From piping to system flow and the prevention of short cycling, this seminar will teach how to maximize performance and minimize operational difficulties.

This full day class will provide you with 8 PDH\* hours towards continuing education requirements.

\*Professional Development Hours acceptance contingent upon your local jurisdiction.

COST: FREE





#### Sponsored by



HEATNET

**Training Location** Westin Baltimore Washington Airport - BWI 1110 Old Elkridge Landing Rd. Linthicum Heights, Maryland 21090

**Date & Time** August 14, 2024 8 am - 5 pm Food & Beverages Provided

Contact Janine Pedro jpedro@mestek.com 413-564-5779

### **INSTRUCTOR**

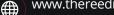
#### Joe Stagg

Professional Trainer **Owner Intermountain Hydronic Specialties** 

Joe has been involved in HVAC system applications for most of his life, teaching the proper principals of HVAC system design, installation, operation, and maintenance over the past 21 years. Most recently, Joe has been teaching expanded training programs revolving around highefficiency, green technology, and energy conservation in HVAC systems.

**FREED INSTITUTE** 3

(413) 564-5779



# APPLICATIONS TRAINING COURSE TOPICS



# **Boilers & Water Heaters**

# **Designing the Boiler System**

Presented by

# Joe Stagg

Professional Trainer Owner Intermountain Hydronic Specialties

### System Flow Control

- 3-Way Valve Control
- 2-Way Valve Control
- Pressure Independent Valve Control

# **Piping The System**

- Reduced Flowrates
- Energy Savings Calculations
- Controlling the System Pumps

# **Boiler Limitations**

- Temperature Rise
- Flowrates
- Inlet Temperatures

# **Piping The Boiler**

- Variable Primary Piping
- Primary/Secondary Piping
- Boiler Pump Control

# **Boiler Short Cycle Prevention**

- Boiler Firing Sequence
- Net Efficiencies
- High-Efficiency Boiler System Design



