

Troy Boiler Works

invites you to join us for our current 2024 schedule



Boiler Training Course



This is a two-day boiler training course for anyone interested in learning about steam fundamentals, boilers, burners, combustion, boiler controls, steam system auxiliaries, and more.

Here is our current 2024 class schedule!

For more details and information on how to register for our courses, please click on the links below, call us at 518-274-2650, or email us at training@troyboilerworks.com.

Dates	Location	Click For More Info
March 27 & 28	Troy	Troy Class Registration (March)
May 14 & 15	Fishkill	Fishkill Class Registration
June 11 & 12	Cobleskill	Cobleskill Class Registration
June 25 & 26	Rochester	Rochester Class Registration
July 30 & 31	Auburn	Auburn Class Registration
August 6 & 7	Buffalo	Buffalo Class Registration
August 13 & 14	Troy	Troy Class Registration (August)
September 10 & 11	Plattsburgh	Plattsburgh Class Registration

If you have an interest in scheduling a class for training operators at your facility, please call or email us. In addition to the regular course locations listed above, we can also conduct on-site with customized training sessions for your facility.



Learning more about the principles of flash steam and boiler blowdown heat recovery at our first class in August of 2018.



Learning about steam hammer at our Walkkill class in July 2020



Wrapping up the summer schedule in Plattsburgh, September 2020



Our 2020 Troy Class takes a break



Troy Boiler Works, Inc.
2800 7th Avenue
Troy, NY 12180
518-274-2650

About Our Course

We started this program in 2018 with the goal of providing high-quality training for boiler operators, supervisors, and maintenance personnel. The participants in our program have included staff from SUNY campuses, NYS DOCCS facilities, school districts, hospitals, paper mills, and manufacturing facilities throughout New York State. We are now entering our sixth year of this highly successful program with a total enrollment of over four hundred people who have attended at our multiple locations throughout New York.

Why should you take this course? We looked at the 2020 training class evaluations from over 80 attendees participating that year. Based on the feedback received, 100% of those respondents either agreed or strongly agreed that this training will be beneficial to them in the performance of their jobs.

Some quotes from our students –

- ❖ “I highly recommend other boiler operators to take this course.”
- ❖ “The instructors were able to keep the course interesting and convey useful information.”
- ❖ “Broad range of interesting topics covered. Easily understandable for all.”
- ❖ “Loved this course.”
- ❖ “Balanced, good depth on all aspects.”
- ❖ “Excellent instructors, venue, and course content.”
- ❖ “Very organized and good overview of all aspects of the boiler system as a whole.”
- ❖ “Course was very thorough. Concepts and systems were explained well.”
- ❖ “Great Course!”
- ❖ “I really enjoyed the training. Thank You Troy Boiler!!”

Download our Training Brochure

Course Content Description

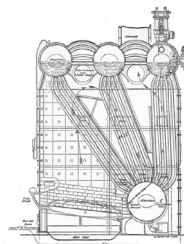
- Fundamentals of Steam
- Fundamentals of Combustion
- Boiler Types & Construction
- Burner Types & Construction
- High Temp Hot Water Generators
- Boiler Operating Procedures
- Boiler Safety Systems
- Deaerator & Feedwater Systems
- Water Treatment Principles
- Burner Systems & Controls
- ASME & NFPA Boiler Codes



Controls



Operations



Boiler Design & Construction



Boiler Safety & Codes

Temp. (°F)	Temp. (°C)	Pressure (psia)	Specific Volume (ft ³ /lb)	Enthalpy (Btu/lb)	Entropy (Btu/lb-°R)
212	100	14.7	26.8	1081.3	1.7748
250	121	24.9	20.3	1105.8	1.7783
300	149	55.3	14.7	1143.6	1.7803
350	177	105.3	11.0	1188.5	1.7811
400	204	187.0	8.5	1240.1	1.7810
450	232	302.1	6.8	1300.0	1.7807
500	260	459.3	5.6	1367.6	1.7802
550	288	660.0	4.7	1442.7	1.7796
600	316	917.3	4.0	1525.1	1.7788
650	343	1236.0	3.4	1614.7	1.7778
700	371	1628.3	3.0	1711.5	1.7766
750	399	2108.0	2.7	1815.6	1.7752
800	427	2690.0	2.5	1927.1	1.7736
850	455	3390.0	2.3	2046.1	1.7718
900	483	4225.0	2.2	2172.7	1.7698
950	511	5215.0	2.1	2307.1	1.7676
1000	539	6380.0	2.0	2450.0	1.7652

Fundamentals of Steam

To learn more about Troy Boiler Works and our capabilities, visit our website at

www.troyboilerworks.com