

# Total Air Supply's Winter 2021 Training Schedule

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## **6 Hour NH Gasfitter License Renewal Seminars, 2020 & 2021**

**Modules 8 am to 2:30 pm \$80**—Class will cover the 2020 & 2021 code update modules required by the State of New Hampshire for your Gasfitter License renewal. *Those who want to attend just \*one module may attend the 2020 segment from 8-11 am or the 2021 module from 11:15 am to 2:30 pm depending on your needs. The cost will be \$40 per unit.* \*The State requires Two, 3-hour modules to renew your NH Gasfitter License. These two modules meet that requirement.

### **Webinar Classroom: January 23<sup>rd</sup>, 2021**

<https://attendee.gotowebinar.com/register/8572425280809263375>

### **Webinar Classroom: February 20<sup>th</sup>, 2021**

<https://attendee.gotowebinar.com/register/3805868652344790799>

### **Webinar Classroom: March 20<sup>th</sup>, 2021**

<https://attendee.gotowebinar.com/register/4871424062520308495>

## **Webinar: 6-Hour Gas Furnace Troubleshooting, Tuesday & Thursday February 9<sup>th</sup> & 11<sup>th</sup>, 2021 from 5:30 pm to 8:30 pm \$50**

— This Two evening, 6-hour Gas Furnace Troubleshooting webinar will start from the beginning with the theory of how a gas furnace works and its sequence of operations. This is necessary for any technician to know in order to be a successful troubleshooter. After all, if a technician doesn't understand how a furnace works, it can be a daunting task to figure out how to fix it. *If you would like to improve your gas furnace knowledge and troubleshooting skills, this is a class you should attend. **See More Description on last page.***

<https://attendee.gotowebinar.com/register/8214425395099015439>

## **Webinar: 6-Hour How to Read Wiring Diagrams, Tuesday & Thursday, March 2<sup>nd</sup> & 4<sup>th</sup> from 5:30 pm to 8:30 pm, Cost \$50**

— *This two evening, 6 hour class will cover the basics of electrical theory, different types of wiring diagrams, the different sections of a wiring diagram, the symbols and how to read the different diagrams, we will go over series, parallel and series-parallel circuits, what each circuit is used for and how it functions, we will trace out safety and control circuits according to the sequence of operation on heating and cooling equipment, review meters and their use and finally attendees will put what they have learned in class to use by solving a series of trouble shooting questions by going through the wiring diagrams and marking where they would put their electrical probes in order to find the answers. **See More Description On Last Page.***

<https://attendee.gotowebinar.com/register/5591268827667968271>

**Webinar: EPA 608 Refrigerant Certification Review Seminar on Monday & Tuesday March 8<sup>th</sup> & 9<sup>th</sup> from 6 pm to 8 pm. Seminar & Test \$120** *The two-night review is a power point presentation covering the review materials & charts. This should not be considered a "substitute for studying", but as a final review before the test.*

**In Person: Testing on Thursday March 11<sup>th</sup>, 2021 from 5:30 pm - 8 pm for webinar attendees. See Testing Notice**

<https://attendee.gotowebinar.com/register/7248156984462722317>

**In Person: EPA 608 Refrigerant Certification Testing for "Those who want to take the "Test Only or Retest", Tuesday March 16<sup>th</sup>, 2021 from 5:30 pm - 8 pm -- \$60 – See Testing Notice**

<https://attendee.gotowebinar.com/register/7392356834934763536>

**Please register early to get the study guide emailed to you**

**Testing Notice:** Testing will be in person at our 1 B St., Derry, NH facility classroom on the evening of Thursday March 11<sup>th</sup>, 2021 for those taking the review and on Tuesday March 16<sup>th</sup>, 2021 for those Testing Only starting at 5:30 pm. Because of the continuing COVID situation, we can only have 5-6 people max testing. **if necessary**, we will have a second testing date of Tuesday March 16<sup>th</sup>, 2021 starting at 5:30 pm, again at our Derry Classroom.

In order to take the test, You will be required to do the following before entering the building:

1. **Be wearing a mask** (TAS employee will be doing the same)
2. Allow your temperature to be taken
3. Fill out a short questionnaire
4. Clean hands with hand sanitizer (will be provided at the door)

Once inside the Classroom:

1. Seating will follow social distancing guidelines. Tables and chairs will be wiped down with alcohol before your arrival.
2. Once at your seat, you may remove your mask while seated. If you get up and move around for any reason, you must put your mask back on.

*A Minimum class size of 7 people is necessary for the class to run. All classes will have food & drink provided unless otherwise stated. All classes will be held at the Perry Haymann Memorial Training Room at our 171 East Hollis St., Nashua, NH location or our 1B Street, Derry, NH location. Starting time is listed in the class description. Seating is limited and will be filled on a first come, first reserved basis. **No billing***

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**for training is done until after the training is over.** *If more than one person is attending, please duplicate this form as necessary and make \*checks payable\* to Total Air Supply. \* Applies to non-account holders only*

## Gas Furnace Troubleshooting Further Description

The **first evening** will include: the components of a furnace, the theory behind them, the role of pressure and pressure differentials, temperature and temperature differentials, airflow, voltages, ohms, continuity, micro amperage, etc. and putting together the devices necessary to test them. We then will talk about how to use the sequence of operations, error codes and troubleshooting flow charts to aid you in solving your customer's issues.

The **second evening** will be spent going over the many issues that can happen in a gas furnace and the many test that a technician may need to perform. We will cover standard test such as limits, pressure switches, ignitors, flame sensors, grounding, temperature and pressure, when & how to check inlet or outlet gas pressure, static pressure, using pressure differential to solve airflow issues, using a jumper wire to isolate components, low voltage, etc. but also testing that has to be done on single, two-stage or modulating furnace gas valves, power venters and circulator blower motors and more. How to use devices such as your manometer or meter and the different accessories for them will be explained as we go through the various test.