

Total Air Supply's Spring 2024 Training Schedule & Registration Form

REGISTERING AND PAYING FOR TAS ED SEMINARS AND WEBINARS:

NOTE: All TAZ Academy HVAC Training seminars can potentially have an **ONLINE** component. **DERRY** or **Nashua** indicates the Classroom location for the seminar.

When the ONLINE webinar is FREE, you still must click on the registration link, provide the information and click submit. *The Webinar link will be sent to you automatically.*



When the seminar has an ONLINE component and a fee to attend, you must complete Steps 1 and 2 below. *The Webinar link will be sent to attendee after payment is confirmed by sales.*

When the seminar does not have an ONLINE component, **You must complete Step 2 below** or send in a completed registration form

Step 1: Click on the provided link under the **online** date of the class you want to attend. If you want to take more than one class, you will need to complete this step for each class with an online component by clicking on the provided registration link for each class. You will be redirected to the registration page, click on the "Register Now" Box, fill out the form and click submit. **The links to attend the webinar(s) will be sent to you by email AFTER you have completed STEP 2.**

Step 2: Make Payment - Call Total Air Supply's sales department at 1-603-889-0100 or 1-800-370-0100 and let them know you need to pay for the upcoming class or classes you want to attend. You can pay with your credit or debit card or your Total Air Supply charge account, if applicable.

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NH Gasfitter Continuing Education License Renewal Seminar, 2023 & 2024 Modules--\$80—Class will cover the 2023 & 2024 modules required by the State of New Hampshire for license renewal. Those who want to attend just one module or the other may attend the 2023 segment from 8-11 am or the 2024 module from 11 am to 2 pm depending on your needs. The cost will be \$40 per module.

***The State requires Two, 3-hour modules to renew your NH Gasfitter License. These two modules meet that requirement.**

Nashua Classroom_Saturday April 20th, 2024 at 8 AM

Derry Classroom_Saturday May 18th, 2024 at 8 AM

Nashua Classroom_Saturday June 22nd, 2024 at 8 AM

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Derry – Daikin Certified Mini/Multi-Split Installation Class, April 15th & 17th, 2024 from 5 pm to 9 pm – No Cost

The Installation class has: Exercises on wiring, tube-flaring, torque wrench set up and use, pressure test exercise, evacuation exercise, charging exercise, error code retrieving exercise, several Daikin wired and wireless hand held Controller set up exercises.

***The Installation class is a prerequisite** for the Service & Troubleshooting class. If you have not taken the Installation class, you must take it before taking the Service & Troubleshooting Class. *Attendee will get a Certificate of Completion from Daikin.*

Those who attend this Installation Class will automatically have a spot in the following weeks Service & Troubleshooting Class

To attend class, you must register for a Dakin City account (no cost). Call Randal for the details at 1-603-845-1710

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Derry – Daikin Certified Mini/Multi-Split Service & Troubleshooting Class, April 22nd & 24th, 2024 from 5 pm to 9 pm – No Cost

Students will be able to:

Understand the operation and functionality of the components of a Daikin Ductless system

Understand and apply proper troubleshooting techniques for the single and multi-split components

Understand and apply proper utilization of the tools required to troubleshoot single and multi-split systems mechanical and electronic components

Understand proper utilization of the All-In-One Functions to include the Actuator Check Function, and the Inverter Analyzer

Understand the application, operation, and functionality of the Bluetooth D-Checker software program

Attendee will get a Certificate of Completion from Daikin.

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***The Installation class is a prerequisite** for the Service & Troubleshooting class. If you have not taken the Installation class, you must take it before taking the Service & Troubleshooting Class.

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Nashua Classroom: 4-Night Air Conditioning Boot Camp April 29th, May 1st, 6th, & 8th, 2024 from 5:30 to 9:00 pm \$185—*This 4-evening seminar* will explain the Refrigeration Cycle, the foundation of comfort cooling. We will discuss the importance of why a tech needs to understand superheat, sub-cooling, amp draws, temperature splits, evacuation and leak checking, airflows role in the process and airflows role in the charging process. The class also covers R-410A, R-22 & R-22 Replacement Refrigerants, components of the system, a few different installation scenarios, start-up procedures, and basic troubleshooting with your meter, temperature probes and diagnostic sheets you will be receiving. Testing AC components with electrical meters will be done hands on. On the last night of the class, we will do a start-up on a live split AC system.*This class contains an incredible amount of information so pdf files will be given of the presentations for further review at the attendee's leisure.

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Duct Sizing & Design Using Manual D: How you know your Duct designs will work \$150

Online – evenings 1 & 2, May 13th & 15th, 2024 – 5:30 pm to 8:30 pm

DERRY Classroom – evenings 3 & 4, May 20th & 22nd, 2024 – 5:30 pm to 8:30 pm

1. [Click here to Register for Webinar portion](#) of class
2. Call Total Air and pay for the class

Link to attend webinar is sent after payment is confirmed

If someone asked you, "How do you know your duct designs work?" What would you tell them? Taking this 4 Evening, 12 hour class will provide the attendee with the information necessary to make a successful journey through the Residential Manual D Duct Sizing process from start to finish. Along the way, we will go over information that will assure your duct design will work and the start-up test that will prove it.

Things to ask and information to gather during the home visit or from the builder when adding or replacing equipment and/or duct work.

Some basics of heat loss or gain, Why a **Manual J block load calculation** is ok for equipment sizing when doing an equipment change out and how this will most likely allow us to down size the equipment.

Why you **need a room-by-room Manual J load calculation** in order to do a proper ACCA Manual D Equal Friction Method Duct Design. The benefits of correctly sized equipment, single stage vs 2 stage vs modulating furnaces, PSC vs ECM motors,

The theory of how and why air flows or will not flow through a duct system and the test necessary to prove airflow. Why static pressure, velocity, cfm, pressure drop, available pressure, etc. and the relationship between cfm, static and amps matter. The importance of choosing evaporator coils with less pressure drop using the AHRI matching charts and choosing the right filters.

The "Do's and Don'ts of Duct Design and Duct Fittings" that can make or break your design. What is equivalent & effective length? Why do they matter? Why fitting choices matter and the consequences of choosing poorly.

We will go over how to correctly use a duct calculator for duct sizing. You will learn what friction rate is, how to calculate for it and then use it to size ducts. You will also learn to use it for velocity numbers, sizing rectangular ducts or round pipe, etc. This will help with retrofit issues as well

We will close out the class by walking through 2 small, two story residential Duct Designs using the ACCA Manual D Duct Design Friction Rate and Duct Sizing worksheets and manually calculated pressure drops and available airflow, choose our fittings, calculate our longest runs, room airflow needs, and duct sizes.

Finally yet importantly, we will close out with how grilles, registers and diffusers work and how to size them.

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If registering multiple people on one form please fill in the name, contact # & desired classes section for each attendee. randal@totalairsupply.com

Total Air Supply, 171 East Hollis St., Nashua, NH 03060 Phone: 603-889-0100
Fax sign-up Sheet to: 603-425 -6117 Attn: Randal

Company Name: _____ Company Phone: _____

Name of Attendee: _____ contact #: _____

Classes desired _____

Email Address: _____

Name of Attendee: _____ contact #: _____

Classes desired _____

Email Address: _____

Billing to company—authorized by: _____

Card type: Please circle one-----Visa-----Master card-----American Express

Name on credit card: _____

Card Number: _____

Billing address for card: _____

Expiration Date: _____ Security Code: _____

Phone number associated with card: _____ Amount enclosed: _____

Authorized Signature: _____

A Minimum class size of 7 people is necessary for the class to run. All In Person 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 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.