

Total Air Supply's Spring 2019 Training Schedule

Nashua Classroom: 6 Hour Gas Training for NH Gasfitter License Renewal, 2018 & 2019 Modules, Saturday March 23rd 8 am to 2:30 pm \$80—Class will cover the 2018 & 2019 Code modules required by the State of New Hampshire for license renewal. *Those who want to attend just one unit or the other may attend the 2018 segment from 8-11 am or the 2019 module from 11 am to 2 pm depending on your needs. The cost will be \$40 per unit.*

Derry Classroom: Refrigerant Certification Review Seminar on Tuesday March 26th & Testing on Thursday March 28th 5:30-8 PM \$120— Testing only is \$60. *The first night will be a power point presentation covering the review materials. This should not be considered a "substitute for studying", but as a final review before the test. The Second night will be some final review & testing. **People testing only should show up on Thursday. **Please register early to get the study guide emailed to you.***

Derry Classroom: How to Read Wiring Diagrams, Wed. April 10th & Thurs. April 11th from 5:30 pm to 8 pm, Cost \$60— *This 5 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.*

Derry Classroom: 6 Hour Gas Training for NH Gasfitter License Renewal, 2018 & 2019 Modules, Saturday April 13th 8 am to 2:30 pm \$80—Class will cover the 2018 & 2019 Code modules required by the State of New Hampshire for license renewal. *Those who want to attend just one unit or the other may attend the 2018 segment from 8-11 am or the 2019 module from 11 am to 2 pm depending on your needs. The cost will be \$40 per unit.*

Nashua Classroom: 4-Night Air Conditioning Boot Camp April 30th, May 2nd, May 7th & May 9th 5:30 to 9:00 pm \$185—*This is One Seminar over 4 evenings. Seminar will fully explain the complete process called the Refrigeration Cycle that is the foundation of comfort cooling, R-410A, R-22 & R-22 Replacement Refrigerants, components of the system, a few different installation scenarios, start-up procedures (superheat, sub-cooling, amp draws, temperature splits, Importance of airflow, charging, etc. and Troubleshooting. We will be performing basic start up test on a live split system on the fourth night. **An incredible amount of information to process in 4-days** so all Attendee's will be given hand-outs for further review at their leisure.*

Nashua Classroom: Refrigerant Certification Review Seminar on Tuesday May 14th & Testing on Thursday May 16th 5:30-8 PM \$120—Testing only is \$60. *The first night will be a power point presentation covering the review materials. This should not be considered a "substitute for studying", but as a final review before the test. The Second night will be some final review & testing. **People testing only should show up on Thursday. **Please register early to get the study guide emailed to you.***

Nashua Classroom: 6 Hour Gas Training for NH Gasfitter License Renewal, 2018 & 2019 Modules, Saturday May 18th 8 am to 2:30 pm \$80—*Class will cover the 2018 & 2019 modules units required by the State of New Hampshire for license renewal. Those who want to attend just one unit or the other may attend the 2018 segment from 8-11 am or the 2019 module from 11 am to 2 pm depending on your needs. The cost will be \$40 per unit.*

Derry Classroom: "Do and Don'ts of Correctly Sizing Ducts", Tuesday May 21st and Thursday May 23rd from 5:30 pm to 8:30 pm \$80—*This 6 hour class contains everything a technician needs to get up to speed on the role of the duct system and how to size it. **The full synopsis can be found on the back of the sign up sheet.***

Derry Classroom: 6 Hour Gas Training for NH Gasfitter License Renewal, 2018 & 2019 Modules, Saturday June 15th 8 am to 2:30 pm \$80—*Class will cover the 2018 & 2019 modules units required by the State of New Hampshire for license renewal. Those who want to attend just one unit or the other may attend the 2018 segment from 8-11 am or the 2019 module from 11 am to 2 pm depending on your needs. The cost will be \$40 per unit.*

*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 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.*

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If registering multiple people on one form please fill in the name, contact # & desired classes section for each attendee. You can print and fax the information or Microsoft word savvy people can fill out the form and email it back to 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 Registration link will be sent to: _____

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: _____

NEW “DO’S AND DON’TS OF CORRECTLY SIZING DUCTS”

In this 6 hour, two evening class, we will go over 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 with your duct calculator, a manual J block load calculation for proper equipment sizing even when doing an equipment change out and how this will most likely allow us to down size the equipment.

We will also go over the many things you need to know in order to do a Manual D Duct Design such as:

- The theory of how and why air flows or doesn’t flow through a duct and the test necessary to prove airflow
- Things to ask and information to gather during the home visit when adding or replacing equipment
- The manual J load calculation, Block load calculation and why they are needed
- The benefits of correctly sized equipment, single stage vs 2 stage vs modulating furnaces, PSC vs ECM motors, choosing evaporator coils with less pressure drop using the AHRI matching charts and choosing the right filters.
- You will learn how to correctly use a **duct calculator** for duct sizing, velocity numbers, converting to round pipe, etc. which will help with retrofit issues as well
- The Do’s and Don’ts of Duct Design and Duct Fittings, equivalent & effective length-what they are and how they are used, calculating your longest runs, pressure drops and how all of this affects your friction rate and ultimately your duct size.
- We will close out the class by walking through a small, two story residential Duct Design using the ACCA Manual D Duct Design Friction Rate and Duct Sizing worksheets.