



HVAC DISTRIBUTOR | DESIGN SERVICES

CORPORATE OFFICE : 1010 W. Kennedy Ave., Kimberly, WI 54136  
920.739.7005 | 800.444.0101 | Fax: 920.739.7870  
designair.com

Updated: 1-27-2020

## Current Training Schedule

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### Air Flow Dynamics and Residential Duct Sizing

**March 31: 9:30 a.m. to 2:30 p.m. in Wausau**

Quality Inn Mountain View; 2901 Hummingbird Road, Wausau, WI

**April 1: 9:30 a.m. to 2:30 p.m. in West Allis**

Design Air; 1619 S. 101<sup>st</sup> Street, West Allis, WI

**April 8: 9:30 a.m. to 2:30 p.m. in Kimberly**

Design Air; 1010 W. Kennedy Ave., Kimberly, WI

This course provides all the primary information and theory needed to understand how air flows in a residential HVAC system. It explains how the quantity of flow is calculated based on the energy demand for a particular residence and the effect that the system components have on this air flow.

This course also provides more advanced information and theory needed to calculate the proper duct size in a residential forced air system. It will explain how basic air flow fundamentals must be used along with complete information on the dwelling, all installation components, proposed equipment, and best practices for installation.

This course can provide 4 NATE Continuing Education Hours (CEH) to approved technicians.

#### Topics include:

- Air flow measurements and terminology
- Heat gain/heat loss dynamics and calculations
- Basic residential design and air flow calculation
- Sensible heat formula and CFM calculation
- System component pressure drop dynamics
- Forced air pipe/duct and fittings review
- Duct sizing theory and velocity limits
- Complete instruction for the use of the sheet metal duct calculator (provided)
- Supply distribution system and return distribution system review and calculations
- Duct gauges and good installation practices
- Residential venting engineering and installation and filter size calculations

Your instructor is James Mayer. He has developed and provided HVAC sheet metal products for over forty years. For the last twenty years, he has developed and presented his "Duct Schools" to HVAC wholesale / contractor groups, technical colleges, and state geothermal organizations throughout the United States. He is the Technical Sales Manager for Southwark Metal Mfg Co, where he continues to develop classes for HVAC contractors that he presents in-person as well as online self-study courses.

Lunch is included along with many technical hand-outs. Registration is required by calling 800-569-3389 and ask for Mike Mills. Class size is limited, so you will want to register early. Tuition is \$25.00/person.

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## Hi-Velocity Systems School

**March 10<sup>th</sup>: 3:30 to 6:30 p.m. in Marinette CDT**

Country Inn & Suites; 2020 Old Pestigo Road, Marinette

**March 11<sup>th</sup>: 4:00 to 7:00 p.m. in Marquette EDT**

Northern Michigan University; Jacobetti Complex, 851 Hawley St., Marquette

**March 12<sup>th</sup>: noon to 3:30 p.m. in Wausau**

Quality Inn Mountain View; 2901 Hummingbird Road, Wausau, WI

**March 13<sup>th</sup>: 10:00 a.m. to 1:30 p.m. in West Allis**

1619 S. 101<sup>st</sup> Street; West Allis, WI

The ESP High Velocity System is high pressure, mini duct technology that can provide heating, cooling, filtration, ventilation and humidification to homes and commercial buildings, both new and existing. With considerably higher S.E.E.R. ratings than competitive mini-duct equipment, its innovative technology represents the best value for you and your customers.

This factory-certified class is presented by Darrell Durrand who has over 25 years of experience installing Hi-V systems. It will focus on the design, materials, tools and installation procedures along with the new products and accessories that they have recently developed.

A full product information package will be provided with a factory trained certification that will allow your company's information to be listed on [www.hi-velocity.com](http://www.hi-velocity.com)

Registration is required and space is limited, so early registration is recommended. Call 800-569-3389 to register. A light meal is included.

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**NOTHING IS OUT OF REACH.**



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## **EPA 608 Refrigerant Certification Exam**

### **March 10<sup>th</sup>: 1:00 to 3:00 p.m. in Marinette**

Country Inn & Suites; 2020 Old Pestigo Road, Marinette

### **March 12<sup>th</sup>: 9:30 to 11:30 a.m. in Wausau**

Quality Inn Mountain View; 2901 Hummingbird Road, Wausau, WI

### **March 23<sup>rd</sup>: 9:00 to 11:00 a.m. in West Allis**

Design Air; 1619 S. 101<sup>st</sup> Street, West Allis, WI

### **March 24<sup>th</sup>: 9:30 to 11:30 a.m. in Madison**

Design Air; 5518 Femrite Drive, Madison, WI

Section 608 of the Federal Clean Air Act requires that all persons who maintain, service, repair or dispose of appliances that contain regulated refrigerants be certified in proper refrigerant handling techniques. This exam covers all four categories: Type I, II, III and Universal Certification.

All of the information required to receive a passing grade and achieve a Universal Certification is contained in the 13 page preparatory manual. A student need only read this manual to prepare for the exam. Register early to give yourself time to read, assimilate and memorize the information in the manual. Seven to fourteen days before the test date is recommended. It can be emailed to you in pdf format if you need it quickly.

This is the new, current exam which was just released in 2018. However, technicians who became certified under the old exam are grandfathered and remain certified without taking the new exam.

*DESIGN AIR* has certified over 1,000 technicians, helping them advance their HVAC careers. Every effort is made to create a low-stress test environment so that technicians can do their best. Registration is required. Call 800-569-3389 to register. The fee for test grading & credential printing is \$75.00 + tax.

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