

Prokup Media

Technical Service Training

Solving Air Volume Problems

Training Objective

In this program, HVAC Service Technicians learn how to correct low indoor air volume problems and learn how to identify causes of low air volume in zones. This is a very important skill as charging with subcooling or superheat cannot be accomplished if the indoor air volume is not properly adjusted.

Upon completion of the course, technicians should be able to measure indoor air volume using external static pressure measurement or heat rise method, identify causes of improper air volume and make necessary corrections, and identify and correct causes of poor air volume delivery to registers. Manual D method of duct design will be introduced in this program along with the proper use of a duct calculator.

Seminar Outline

- Air volume requirements for HVAC Equipment (Understanding Air Volume Tables)
- External Static Pressure
- Measuring External Static Pressure
- PSC Fan Performance and External Static Pressure
- Elements that cause changes in External Static Pressure
- Changing External Static Pressure and Fan Laws
- Causes of Low Air Volume at Air Handler/Furnace
- How to Increase Air Volume
- Introduction to Manual D Duct Design (How to size ducting the right way.)
- Common Duct Fittings and Total Effective Length Of Duct Systems
- Correcting Duct System Problems That are Causing High Static
- Measuring Air Volume in Duct Zones
- ECM Motors and Duct Static Pressure Limits/Operation
- Identifying Causes of Low Air Volume and Making Corrections

Michael Prokup •

Registration Details

7 OHIO NATE and CEU Hours Available!

Company Name _____ RHS # _____

Attendee(s) _____

Payment Enclosed: Amount \$ _____ Ck# _____ Chg. Acct. # _____

Please contact Debbie Goshorn: ph 330.821.9180 x 131 fax 330.266.7474
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Prokup Media
815-223-7953
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Date: October 19th Time 9am - 4pm

Cost: \$115pp - lunch provided

Where: Robertson Heating Supply Corporate Office
2155 W. Main Street, Alliance OH, 44601