

Fall 2010

Class Schedule



VAV Box Car Systems

When: Six Thursdays **Date:** Sep. 9 - Oct. 14, 2009 **Time:** 5:30 - 8:30 p.m.
Instructor: Jeff Capen, Service Manager **Fee:** \$395.00

Who Should Attend

This practical course is designed for experienced service personnel who have a good understanding of packaged air conditioning systems and wiring diagrams.

Course Content

- Review basic principles of variable air volume
- Learn the Honeywell W7100 VAV logic control
- Learn the Trane Intellipak control
- Understand controlled air compressors
- Decipher Trane and Carrier VAV wiring diagrams
- Develop preventive maintenance check lists
- Learn basic unloader, hot gas, and low ambient concepts
- Develop strategies to solve building pressurization problems

Required Class Material (To be supplied by student)

- Clamp-on amp meter with volt and ohm capability
- Basic hand tools

This class does not provide EPA certification

Registration Deadline: Sep. 2, 2010

Beginning Pneumatics

When: Six Tuesdays **Date:** Oct. 26 - Nov. 30, 2009 **Time:** 5:30 - 8:30 p.m.
Instructor: James Sandoval, Journeyman Field Mechanic **Fee:** \$395.00

Who Should Attend

This hands-on course is designed for experienced facilities and service personnel who want to upgrade their pneumatic control system skills.

Course Content

- Review the basics of variable air volume.
- Learn three types of building mechanical systems
- Understand the design and operation of pneumatic control air compressors
- Expand knowledge of pneumatic control terms
- Assemble the components of a pneumatic system and perform calibration
- Reassemble components into various system configurations
- Troubleshoot service problems
- Work on an operating VAV box and fan

Required Class Materials (To be supplied by student)

- 1 Robertshaw thermostat 2211-012
- 1 Robertshaw thermostat 2212-119
- 2 Robertshaw green restrictor tees 21-039
- 2 Robertshaw red restrictor tees 21-038
- 1 Robertshaw calibration kit 900-002
- 5 1/4" barbed tees
- 5 1/4" barbed couplings
- 5 1/4" pneumatic

This class does not provide EPA certification

Registration Deadline: Oct. 19, 2010



1086 N. 11th Street
San Jose, CA 95112

Phone: (408) 920-0662
 Fax: (408) 920-8087
 Web: www.jjair.com

Please enroll me in the following class(es)

- VAV Box Car System; September 9 - October 14, 2010
- Beginning Pneumatics; October 26 - November 30, 2010

Name _____ Title _____

Company _____ Phone _____ Home Phone _____

Address _____ City/State/Zip _____

REFUND POLICY

- Enrollment is transferable until the first day of class.
- Enrollment fee, less \$50.00, is refundable up to the FRIDAY prior to the first class.
- No refunds shall be made after FRIDAY prior to the first class.

PAYMENT POLICY

Please complete this enrollment form and return it with your check payable to A.I.R. Due to limited class size, placement cannot be guaranteed until payment is received. We accept personal or company checks, but we cannot take credit cards.

A.I.R. reserves the right to cancel at any time prior to start of the seminar (with full refund to applicants).

Total Enclosed \$ _____

Call Connie at (408) 920-0662 ext. 110 with any questions.