



Experience In Motion



PUMPS | VALVES | SEALS | FOUNDRY | SERVICE & REPAIR

EDUCATIONAL SERVICES

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Overview

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Customer Courses

Control Valve Engineering Specialist - Level I

Recommended for

This course is designed for plant and engineering firm, process, project and design engineers. Employees who are responsible for the design, installation and implementation of complete process control systems are the primary focus of this course. Control valve sales and application engineers and those involved in areas of customer service will also benefit from this course.

Course Objective

Upon completion of this seminar, the participants will be able to:

- Describe the basics of globe-style valves
- Describe when and where rotary valves are used
- Identify industry's three standard flow characteristics
- Describe why and how pressure-balanced trim is used
- Describe what cavitation is
- Identify the various types of control valve actuators
- Describe why positioners are used
- Describe what benefits severe service trims provide
- Demonstrate the ability to size various types of valves
- Describe how to size and select proper control equipment through practical exercises

Course Description

Participants learn the unique features and benefits of top-entry control valves and how they compare to alternative valve styles. They learn the importance of body and trim selection, how to understand and use the proper flow characteristics, and discuss pressure-balanced trim, cavitation, flashing, and gaseous noise. Participants also discuss control valve actuators and positioners, and work sizing problems using state-of-the-art computerized selection programs. Specific topics include: (On site training is customized to fit the customers needs, therefore some of the topics may be omitted).

- Globe valve design concepts
- Selecting body rating
- Selecting trim size
- Flow characteristics (including Rangeability)
- Linear valve actuators
- Valve positioners
- Liquid sizing for control valves (**Performance**)
- Gas sizing for control valves (**Performance**)
- Valve selection workshop (**Performance**)

Course Length

Class Size: 20 Maximum Attendees

Course Length: 24 hours

Back

Operating Mechanically
Sealed Equipment

Vibration Analysis


<input type="checkbox"/>	<u>Vibration Analysis - Entry Level</u>	Dallas, TX Dallas, TX	May 10 - 12, 2005 Aug. 2 - 4, 2005	\$1,095.00 \$1,095.00
	<input type="checkbox"/> Optional Proficiency Test (Additional half day and \$100)			
<input type="checkbox"/>	<u>Vibration Analysis - Level I</u>	Dallas, TX Dallas, TX Dallas, TX	May 17 - 19, 2005 Aug. 9 - 11, 2005 Nov. 29 - Dec. 1, 2005	\$1,195.00 \$1,195.00 \$1,195.00
	<input type="checkbox"/> Optional Certification Test (Additional half day and \$250)			
<input type="checkbox"/>	<u>Vibration Analysis - Level II</u>	Dallas, TX	Dec. 6 - 8, 2005	\$1,395.00
	<input type="checkbox"/> Optional Certification Test (Additional half day and \$250)			

Control Valves

Technical

<input type="checkbox"/>	<u>Control Valve Engineering Specialist - Level I</u>	Dallas, TX	Mar. 23 - 25, 2005	\$895.00
<input type="checkbox"/>	<u>Control Valve Engineering Specialist - Level I</u>	Philadelphia, PA	June 8 - 10, 2005	\$895.00
<input type="checkbox"/>	<u>Control Valve Engineering Specialist - Level I</u>	Houston, TX	Nov. 16 - 18, 2005	\$895.00
<input type="checkbox"/>	<u>Control Valve Engineering Specialist - Level I</u>	Baton Rouge, LA	Sep. 28 - 30, 2005	\$895.00
<input type="checkbox"/>	<u>Control Valve Engineering Specialist - Level II</u>	Dallas, TX	June 20 - 24, 2005	\$895.00
<input type="checkbox"/>	<u>Limatorque Actuator Application and Sizing</u>	Houston, TX	Aug 2 - 3, 2005	\$795.00

Maintenance

<input type="checkbox"/>	<u>Certified Control Valve Repair Technician - Level I</u>  (1.6 CEUs)	Dallas, TX	Mar. 21 - 22, 2005	\$695.00
<input type="checkbox"/>	<u>Certified Control Valve Repair Technician - Level I</u>	Philadelphia, PA	June 6 - 7, 2005	\$695.00
<input type="checkbox"/>	<u>Certified Control Valve Repair Technician - Level I</u>	Baton Rouge, LA	Sep. 26 - 27, 2005	\$695.00
<input type="checkbox"/>	<u>Certified Control Valve Repair Technician - Level I</u>	Houston, TX	Nov. 14 - 15, 2005	\$695.00
<input type="checkbox"/>	<u>Certified Control Valve Repair Technician - Level II</u>	Dallas, TX	Jun. 13 - 17, 2005	\$1,495.00
	<u>Limatorque SMB Series</u>	Houston, TX	Aug. 16 - 18, 2005	\$1,195.00