

Comprehensive Control Valve Maintenance

This course will introduce students to control valves and how to perform mechanical maintenance on both Linear and Rotary styles. This course can be structured to plant-specific valves and will instruct students in the proper maintenance and repair techniques for control valves. Students will learn various Linear and Rotary control valve comparisons and variables. Instruction will also include performing proper Stack Height measurement, Packing configuration, Consolidation and Torquing techniques. Learning how to “Read” the parts will be a critical part of the instruction.

TERMINAL OBJECTIVES:

The student will become familiar with proper identification, maintenance, repair and setup of various models and styles of Control Valves (Body Assemblies). Model numbers will be an important part of the learning process. Each student shall be required to pass a written test with a minimum score of 80% in order to successfully complete this course. Upon successful course completion, the student will be able to:

- Properly disassemble and assemble various Linear control valves
- Properly disassemble and assemble various Rotary control valves
- Identify associated valve components
- Identify various valve Trim flow characteristics
- Identify various styles of Linear valves
- Identify various styles of Rotary valves
- Properly measure Stack Height
- Identify various packing arrangements
- Troubleshooting techniques

ENABLING OBJECTIVES:

The student will be able to perform, explain or identify the following issues:

- Explain the function of a control valve in relation to the Control Loop
- Identify various types and styles of control valves
- Identify various model numbers of control valves
- Identify trim styles and components found in control valves
- Explain various packing arrangements
- Identify various valve body material codes/numbers
- Identify various valve trim material codes/numbers
- Perform proper disassembly of various control valves
- Determine and measure “stack height” using various measuring devices
- Perform proper assembly of various control valves
- Perform packing consolidation techniques

SUPPLIED MATERIALS:

A *Training Manual* will be provided for each registered student.

In-class *Training Aides*, for courses performed at a CRANE Nuclear facility, will include all or some of the following: Various Control Valves and related accessories.

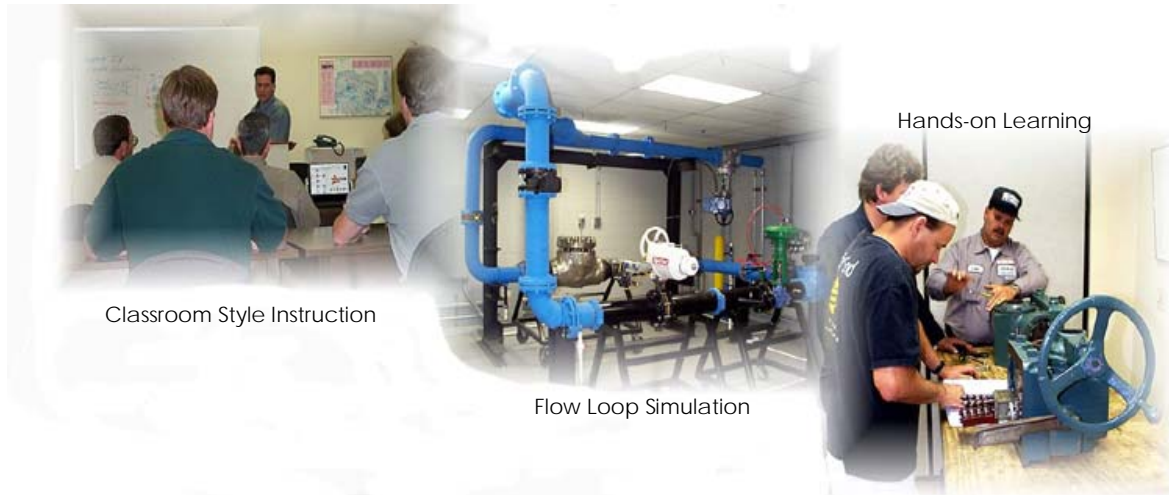


TRAINING

Comprehensive Control Valve Maintenance

Registration Guidelines

Standard Class Size:	6 Students per Instructor
Maximum Class Size:	8 Students
Course Duration:	5 Days
Prerequisite:	Basic Working Knowledge of Control Valves
Suggested Attendees:	AOV diagnostic testers, Mechanical Maintenance supervisors, Mechanics and those involved in a Valve Team



CRANE NUCLEAR

TRAINING SERVICES
2825 Cobb International Boulevard
Kennesaw, GA 30152 U.S.A.
Phone: 770-424-6343 / Fax: 770-429-4752

Visit www.cranenuclear.com
or call **1-866-282-2600** for more information.

© 2007 CRANE Nuclear. All Rights Reserved.

The information contained herein is provided for general information purposes and is not intended as a warranty, an offer, or any representation of contractual or other legal responsibility.

N-TR-CV/maint-06/07