

Check Valve Advanced Signature Analysis

The course will instruct students in the advanced techniques for acoustics (AE), eddy current (EC) and ultrasonic (UT) theory and application for check valve diagnostics. The student will be taught advanced acquisition techniques as well as advanced signature analysis. The instructor will lecture on advanced techniques as a result of operational experience and practical application for acoustic, eddy current and ultrasonic technologies. Operational issues covered during the class will include; advanced UT theory and application, AE advanced theory and application, and eddy current advanced theory and application. The student will become familiar with advanced signature analysis.

TERMINAL OBJECTIVES:

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 install Check Valve System Acoustic, Eddy Current, and Ultrasonic devices.
- acquire, store, and be familiar with software capabilities to analyze signatures from the different technologies available for check valve diagnostics.

ENABLING OBJECTIVES:

At the conclusion of this course, the student shall have an increased understanding of:

- Advanced check valve data acquisition techniques.
- Advanced check valve signature analysis techniques.
- How to increase the reliability of check valves.

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: CRANE Nuclear Check Valve Test Equipment and Software, Various Actuators, Instruments and Accessories.

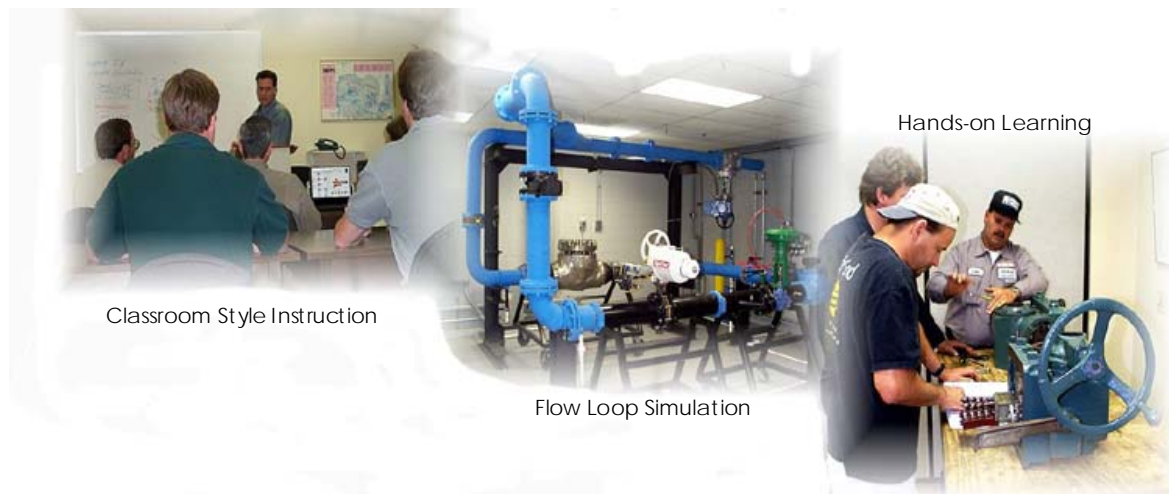


TRAINING

Check Valve Advanced Analysis

Registration Guidelines

Standard Class Size:	6 Students per Instructor
Maximum Class Size:	8 Students
Course Duration:	4 Days
Prerequisite:	CRANE Nuclear Check Valve Data Acquisition and Basic Analysis
Suggested Attendees:	Cognizant Check Valve, Instrument & Control, IST and Maintenance Engineers



CRANE NUCLEAR

TRAINING SERVICES

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