

## MOV Data Acquisition & Basic Analysis

This course provides instruction on the proper installation and operation of the CRANE Nuclear Universal™/VIPER™ 20 Motor-Operated Valve (MOV) diagnostic system through classroom instruction, hands-on laboratory training, and accounts of testing experience. Upon successful course completion, the student shall be able to correctly set-up and operate the CRANE Nuclear Universal™ / VIPER™ 20 MOV system, adjust actuator limit and torque switches to a specified criteria, and identify critical MOV parameters and common actuator/valve degradations through basic signature analysis techniques.



TRAINING

### TERMINAL OBJECTIVES:

Each student is 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 shall possess the knowledge to successfully perform/identify:

- the proper installation and removal of all applicable Universal™/VIPER™ 20 MOV diagnostic system transducers.
- basic analysis of applicable signatures, including acquisition and storage.
- the causes of common MOV degradations and perform necessary adjustments to correct the deficiencies.

### ENABLING OBJECTIVES:

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

- the aspects and concept of the CRANE Nuclear Universal™/VIPER™ 20 MOV diagnostic system.
- the description and function of various MOV transducers.
- equipment installation and software configurations.
- data acquisition and basic analysis techniques.

### SUPPLIED MATERIALS:

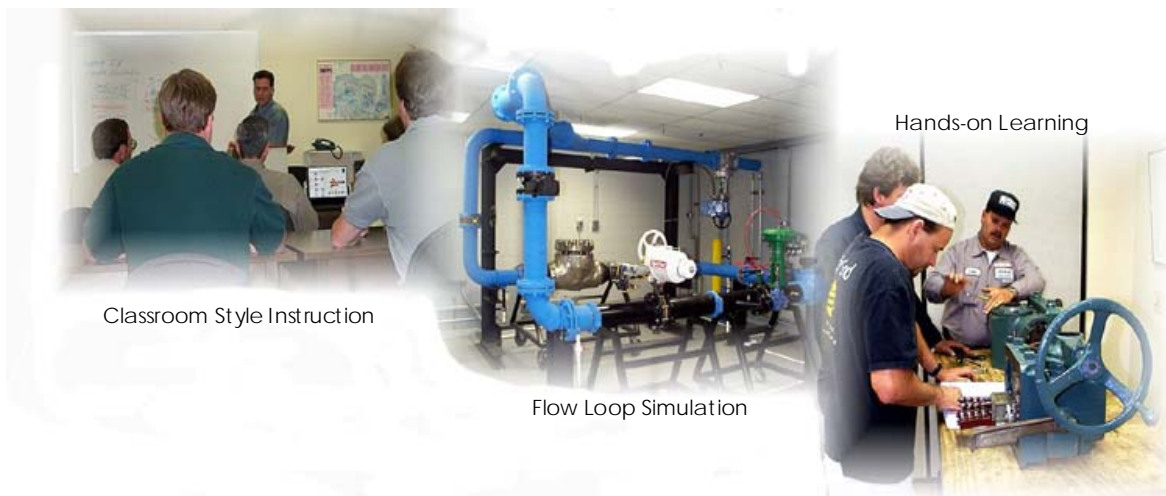
A *Training Manual* will be provided for each registered student.

In-class *Training Aides*, for courses performed at a CRANE Nuclear facility, will include all or some of the following: CRANE Nuclear MOV Test Equipment, Various Actuators, Instruments and Accessories.

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### Registration Guidelines

<b>Standard Class Size:</b>	6 Students per Instructor
<b>Maximum Class Size:</b>	8 Students
<b>Course Duration:</b>	5 Days
<b>Prerequisite:</b>	A working knowledge of Limatorque® operators
<b>Suggested Attendees:</b>	MOV cognizant Engineers, Electricians, Mechanics, QC personnel, and Operations personnel



**CRANE** NUCLEAR

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N-TR-MOVDA-06/07