

COURSE DESCRIPTION

Crane Nuclear offers to provide the services as described in this Technical Description subject to the pricing, terms and conditions delineated in the Commercial Description.



Safety Relief Valve Training

Standard Class Size:

6 Students per Instructor

Maximum Class Size:

8 Students per Instructor

Course Duration:

5 days

Prerequisite:

Basic Knowledge of valves

Supplied Materials:

An electronic training manual for each student

Suggested Training Aides:

Safety relief valve test stand. Lapping stones and compound. Safety relief valves capable of being tested with either air or water.

Suggested Attendees:

Mechanics, Machinists, pipefitters, mechanical foremen, valve and system engineers, mechanical and valve supervisors and lead valve technicians

Course Description:

This course is designed to provide the student with the basic knowledge and skills to perform basic maintenance, testing and repair on these Safety Relief Valves. Valve designs and configurations vary widely in the industry; however the repair methods are similar. Remember, safety and quality is the responsibility of each individual worker.

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Course Terminal Objectives:

Each student will be required to pass a written test with a minimum score of 80% in order to successfully complete this course. Upon successful completion of this training course, the student will:

- Perform disassembly, inspection, lapping, and reassembly on various safety relief valves.

Course Enabling Objectives:

After completing this course, the student will:

- Take exact measurements of critical valve components using the following types of measuring devices: Calipers, Micrometers, and Dial Indicator
- Identify valve markings and discuss the information found in the Valve nameplates, valve inspection reports, valve component identifications
- Perform/discuss the procedure for lapping a valve disc, nozzle seat and the interpretations of the results
- Discuss the principles of operation and the applications/limitations of safety valves, safety relief valves, relief valves
- Perform/discuss the disassembly, inspection, lapping\machining, ring settings, and reassembly of safety valves, safety relief valves, relief valves
- Discuss the following for nozzle\disc machining: nozzle removed, nozzle installed in body, solid disc/disc insert

Course Benefits:

- Increase the plant's self-sufficiency in safety relief valve repair maintenance.
- Increase the reliability of the plant's valves.
- Reduce the plant's cost of valve maintenance.