

Course Overview:

the aim of this course is to supply the participants with the basic and advanced tools those are used in the operation and maintenance of valves. Moreover, to help them to select the proper valves types suitable for some selected application and to know how to size and select the valves and perform the mechanical procedures from the first beginning. Several case studies will be available and the participants are highly requested to share these activities for the sake of improving their skills and improve their monitoring techniques.

Course Objective:

This program will help the participants to understand the mechanical operation of pressure vessels. Like any other mechanical device, pressure relief valves require periodic maintenance and repair. Safe operation of pressure equipment requires that all boilers, pressure vessels and pressure piping systems are protected from overpressure with the use of pressure relief valves under the supervision of trained personnel under controlled, using proper parts and procedures. This program will provide an overview of all these topics.

Course Outline:

1. INTRODUCTION TO VALVE AND VALVE TECHNOLOGY
2. VALVE TYPES
3. INTRODUCTION TO THE FUNCTION AND OPERATION OF PRESSURE RELIEFVALVES
4. DEVELOPMENT AND APPLICATION OF PRESSURE RELIEF VALVES
5. CORRECT INSTALLATION AND OPERATION OF PRESSURE RELIEF VALVES
6. OPERATIONAL MALFUNCTIONS OR PRESSURE RELIEF VALVES
7. PERFORMING NECESSARY FIELD INSPECTION & TESTING FACILITIES
8. CHECK VALVES
9. NOISE LEVEL AND CONTROL
10. MAINTENANCE OF VALVES

Who Should Attend:

Mechanical and Electrical engineers working in the operation and maintenance of different types of valves, those are available in industry.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation