

Actuated Valves: Accessories & Hardware

Learning Path



- Learning Path
- 5 modules
- 4hrs content
- English
- Online access
- SPC4102



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PDH Hours Qualified
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Course Objective

"Gain comprehensive knowledge of the hardware and accessories of actuated valves, learn the details of the systems and the design choices for industrial application."

Program

- Course 1** The Valve Body
- Course 2** Valve Trim
- Course 3** Valve Bonnet
- Course 4** Valve and Actuator Accessories
- Course 5** Valve Positioner and Diagnostics

Results

- Understand key valve design elements, including material selection, packing systems, trim design, and corrosion protection.
- Master control valve accessories such as the regulator, valve positioners for deadband removal and those for speed control.
- Become familiar with valve diagnostics, maintenance, partial stroke testing, and reliable strategies for emission compliance.

Provided by



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Consultant: Field Instrumentation and Actuated Valves

Course Summary

In this training course, participants will learn about the hardware and accessories for actuated valves in detail. They will also learn about the choices to be made in valve body design and the role that piping classes play in determining many of these aspects. The valve trim will also be explained, and the way in which design influences the flow capacity, valve characteristics, and suitability for different applications will be illustrated.

Valve speed control and the associated difficulties, the working principle of a valve positioner, and showing how a positioner is used to remove the deadband are detailed in this course. Learn about the function of a regulator, stem retention design, and the different configurations of solenoid-operated control valves. Cover the methods of valve diagnostics, asset management, and partial stroke testing.

Why should your team attend the course?

Our courses are designed to let your engineers think about the **"why behind"**. Engineering is not about reading the data and figures returned by an interface and pressing the right buttons accordingly. This can lead to great (and very costly) mistakes. Our courses are designed by world-class experts to give an in-depth understanding of the topic treated. With a **team account**, you get **more budget for training your team and unlimited access to the course material**.

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