

Valve Fundamentals

OEM: Rockwell Automation • Duration: 2 Days (16 hrs) • Code: MMS-105

COURSE MODULES & TOPICS

Objectives

- Describe various types of valve actuators
- Discuss possible problems with valve actuators and positioners
- State the purpose of bench set information of a pneumatic actuator
- Explain the function of a valve positioner
- State when a valve positioner should and should not be used
- Explain how to set up a valve positioner
- Discuss how valve position information impacts control of a process or system

Prerequisites

- Understanding of mechanical systems and applications

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course
- Lab Guide includes the hands-on exercises

Next Level Learning

- Valve Repair course (MMS-210)

Course Agenda

Day 1

- Introduction Exam
- Valve Construction and Operation
- Valve Types
- Valve Actuators
- Lab Exercises

Day 2

- Valve Markings

- Lab Exercises
- Final Lab Exercise
- Review
- Written Exam