

Axial Flow Compressors Fundamentals

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: MMS-145

COURSE MODULES & TOPICS

Objectives

- Describe the function of an axial flow compressor
- List and describe the major components of an axial flow compressor
- Describe the basic operation of an axial flow compressor
- Discuss factors that affect compressor operation
- Discuss maintenance activities associated with an axial flow compressor
- Troubleshoot common compressor problems

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

- Shaft and Coupling Alignment course (MMS-245)

Course Agenda

Day 1

- Principles of Operation
- Compressor Laws
- Axial Flow Compressor Components
- Lab Exercises

Day 2

- Axial Flow Compressor Operation
- Factors Affecting Operations
- Lab Exercises

Day 3

- Axial Flow Compressor Inspection and Maintenance

- Routine Maintenance Practices
- Troubleshooting
- Lab Exercises
- Review
- Written Exam

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