

Pneumatics

Duration

1day 5Hours

No. of Attendees

Max. 25 Attendees

Language

Arabic, English

Overview

By the end of this course participants will recognize the development, distribution and preparation of compressed air and how to control valves of pneumatic circuits, and applying these techniques in industrial applications with maintenance and troubleshooting process.



Topics

- Development of compressed air :-
 - Characteristics of compressed air
 - Types of compressors
 - Discharge regulation
- Distribution of compressed air :-
 - Pipes and hoses
 - Fitting
- Preparation of compressed air :-
 - Filters
 - Pressure regulators
 - Compressed air lubricators
 - Service units
- Working elements (actuators) :-
 - Pneumatic cylinders
 - Rotary actuators
 - Applications
- Control valves of pneumatic circuits :-
 - Directional- control valves
 - Pressure control valves
 - Flow control valves
 - Valve combinations
- Industrial applications.
- Maintenance and trouble shooting.
- Computer simulation of pneumatic circuits.