

WTP 001 - Workshop on Industrial Pneumatics

Learning Outcomes

- Design, assemble, and test basic Pneumatic circuits.
- Maintain and troubleshoot pneumatic components and basic control systems.
- Understand technical specifications and data relating to pneumatic components and systems.
- Identify and understand graphical symbols for pneumatic components.

Contents

- Fundamental Principles of Pneumatics,
- Compressed air system in a manufacturing plant,
- Air quality and condensation phenomenon in compressed air,
- Free Air delivery requirements for a pneumatic system,
- Classification of Pneumatic elements and their functions,
- Understanding and representation of symbols as per ISO 5599,
- Critical maintenance tips/problem in a pneumatic system,
- Troubleshooting, minimizing maintenance cost of pneumatic system,
- Optimizing pneumatic system performance,
- Simple Pneumatic circuits using symbols.

Evaluation

Online Examination

Eligibility

Basic Technical Knowledge

Target Group

Industry - Operator, Design (Engineer / Manager) / Trainer

Duration

2 days

Training Materials

Used for Training

- Multimedia Presentation
- Cut Sections / Wall Posters /Magnetic Symbols /JASP - Product Animations
- Pneumatic and Electro Pneumatic Trainer Kits

Handout to Participants

Courseware, Participation certificate