



Durban South Training Centre

BASIC PNEUMATICS

Course content

- Objectives of low-cost automation
- Basic principles of compressed air supply, production, preparation, and distribution
- Power section devices (Linear and rotary actuators)
- Use of directional control valve, flow control, pressure, and time control valves, and sensors
- Structure and function of pneumatic devices and valves
- Basic logic functions and their application
- Symbolic representation of devices and standards
- Systematic design of circuit diagrams
- Reading pneumatic circuit diagrams
- Operating modes in pneumatic control systems
- Safety regulations and valid industrial standards
- Typical industrial circuits
- Identifying and eliminating faults
- Practical exercises for all circuits "hands on"

Learning Outcomes

- Design, assemble and test basic pneumatic circuits
- Identify and describe the design, features and operation of pneumatic components
- Identify and explain symbols for pneumatic components
- Read and interpret pneumatic circuit diagrams
- Interpret technical specifications and data relating to pneumatic components
- Knows the fundamentals of compressed air generation and preparation

Unit Standard Aligned

This blended training includes:

Detailed course notes

Progress Activities to keep learning on track

Videos illustrating best practices & operational practices

Practical Coaching, demonstrations & operational exercises

Each Learner will Receive:

A Workbook including progress quizzes

A Pen

Grab your SEAT Now

Course Duration : 5 Days

Cost: R3500 (excl)

For bookings

admin@dstt.co.za

