Basic Pneumatics

Who is this aimed at:

Engineering personnel e.g. Supervisors, Craftsmen and Final Year Apprentices who are involved with the installation and maintenance of pneumatic equipment.

By combining practical circuit building with the design and drawing of pneumatic circuits, course members will be introduced to a logical approach to fault diagnosis.

Course Content

Air Compressors - Layout of typical installation including:

a) Air infeed
b) Compressors
c) Coolers
d) Moisture separation
e) Air receivers

Factory layout of air lines including:

a) Examples of pipework and fittings
b) Air line, filters/regulators/lubricants

Introduction to pneumatic valves and cylinders:

a) Diagrammatic principle of valve flow, including sections through valves.
b) Diagrammatic principle of cylinder operation including cushioning and speed control.

Circuit work including:

a) Pneumatic circuit symbols B.S. 2917
b) Design and drawings of simple circuits
c) Building of simple circuits
d) Introduction to multicylinder and cascade circuits
e) Building of complex circuits
f) Fault diagnosis

Certification

North West Training Council

PLEASE FEEL FREE TO CONTACT US

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