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*5 Differences in Hydraulic
and Pneumatic Directional*

*Control Valves hydraulic
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Lesson 1 What is

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Advantages **Controlling
a Pneumatic Cylinder
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Working explained*

(Animation) How

Hydraulic Ram Works. ✓

How to Control the Speed

of a Pneumatic Cylinder

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Air Compressor work?

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Understand the basics

of pneumatic cylinder

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 15 Allocation of training aims and exercises (Table 1)
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various automation
techniques has been
introduced in the field of
manufacturing in order to
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Objectives After the
completion of this
module, the student will
be able to: Identify the
common uses of
pneumatic systems.
Identify the main parts of
a pneumatic system.
Identify the main
components of the
pneumatic work station TP
101.
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introductory text for
people who are studying
to be maintenance
personnel working on
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knowledge of other
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The two basic types of
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which generate linear
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rotary actuators, which
generate rotary motion.
Most pneumatic circuits
contain a source of

compressed air, a pressure control device, conductors such as pipe or tubing, an actuator, and a directional control valve to control the operation of the actuator. *Pneumatics, Basic level (Workbook)*
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something.

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Pneumatics involves converting the energy of a compressed air or gas to make something work.

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