



Pneumatics is all about using compressed air to make a process happen. Designing, constructing and reading pneumatic diagrams give a strong understanding of circuit operation and a good base for trouble shooting. Pneumatic signals are used to control final control elements because such signals can be used to actuate large valves and other high power control devices. Using pneumatic powered tools result in lower weight and costs compared to electric or hydraulic controlled tools.

The BOSCH Rexroth modular state of the art Pneumatic training system is based on standard components across the Bosch Rexroth product range. This system facilitates learning of Basic Pneumatic & Electro pneumatic concepts. A training system comprising of hardware and software enables both inexperienced and experienced users to work on practical exercises and gain specialized technical knowledge step-by-step.

Industrial Pneumatics

Fundamentals of Pneumatics

Basic Pneumatics | Electro Pneumatics |
Basic and Electrical Circuit diagrams |
Working of Valves | Actuators | Pneumatic
Timers Safety measures

System Specification

Air Compressor Unit with Controlled «
working pressure of 10 bar
Snap-in Mounting type 3/2,5/2, 5/3 «
DCV's with $P_{max} = 12$ bar
Pneumatic Timers, Pressure «
Sequence Valves
Linear actuator $\varnothing 10$ mm Length «
100mm, 200mm
Integrated Electro-Pneumatics setup «