

# **BASIC PNEUMATIC TRAINING SET**

## **MODEL: FA-P202-SS-B**

### **Description**

The Basic Pneumatics Training Set is an educational tool designed to provide hands-on experience and basic knowledge of pneumatic systems, which involves the use of compressed air to move machines and tools that include various major pneumatic components such as Compressors, Actuators, Valves, Regulators, and Filters. The Basic Pneumatics Training Set can enhance the learning experience by allowing users to engage directly with the principles and components of pneumatic systems.

### **Able to learn : -**

- Physical principles of pneumatic control
- Distribution of air compressor & application
- Design of pneumatic control system
- Design pneumatic schematic, logic and symbol
- Adjust pressure regulation and measurement
- Meter in and meter out speed control
- Direct and in-direct pneumatic actuation
- Function of quick exhaust application
- Pneumatic sequence control
- Position control with limit switch valve
- Position control with time delay valve
- Basic circuits of single and double acting cylinder
- Faults findings in pneumatic control system



### **Required Item**

- Pneumatic basic working table (single side)
- Magnetic symbol (Pneumatic)
- Pneumatic Operation Manual (basic)
- Pneumatic Experiment Manual (basic)
- Basic pneumatic training set
- Air Compressor

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# BASIC PNEUMATIC TRAINING SET (EP201)

## Technical Specification :-

No	Component	Qty
1	Air Service unit	1
2	8 way Air distributor	1
3	Single-acting cylinder - spring return	1
4	Double-acting cylinder - magnetic	2
5	Vacuum generator & suction cup	1
6	Pressure regulating valve 0-10kgf	1
7	One-way flow control valve	4
8	Quick exhaust valve	1
9	Pressure gauge	2
10	Time-delay valve (Normally closed)	1
11	3/2-way push-button valve (Normally closed)	2
12	3/2-way push-button valve (Normally open)	1
13	5/2-way selector switch valve	1

No	Component	Qty
14	3/2-way selector switch valve	1
15	3/2-way single pilot spring-return valve (Normally closed)	1
16	5/2-way single pilot spring-return valve	1
17	5/2-way double pilot air-return valve	2
18	3/2-way lever limit switch valve	4
19	5/2-way lever limit switch valve	1
20	AND valve	2
21	OR valve	2
22	Air fitting	1
23	T-connector	5
24	Plastic hose (1M)	20
25	Hose cutter	1
26	Air compressor	1

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