



The Basic Pneumatic Trainer (52263) outlines the principles of Pneumatic control Used in Industrial applications. It explains components of Pneumatic control system & their operation.

Features

- Compact Ergonomic Design.
- ISO Symbol for each mounted components
- User Friendly, Self Explanatory Systems.
- Robust Construction.
- Training Manual, mimic Charts for Operation Ease.
- System Frame with Caster Wheel Arrangement for ease in movement.
- M.S. powder coated cubical plant with standard Instrument Mountings.
- Inbuilt Safety Measures to avoid improper usage.
- PU Tubes and Quick Push-Pull connectors for making connections quick and easily.
- Caster wheel mounted movable frame

Services Required

- Electric supply 1 ϕ 230 V AC, 50 Hz.
- Clean, dry, Compressed air supply at 4-5 Kg/cm².

Experiments

- Study of Pneumatic Cylinders: Single Acting, Double Acting.
- Study of Different Pneumatic circuits such as AND – OR-Logical circuits etc.
- Study of pneumatic control system
- Study of construction & operation of pneumatic equipments such as 5/2 Way valve, 3/2 Way valve, pneumatic motor, etc.

Technical Specification

No.	Item Name	Technical Specifications
1	Pressure Gauge	0-7 Kg/cm ² , connection 3/8" BSP, Dial Size: 100 mm.
2	Pneumatic Motor	Unidirectional,, Air pressure: 0-90 psi.
3	Single Acting Cylinder	Bore: 25 mm ' Stroke: 100mm, Mounting: Foot.
4	Double Acting Cylinder	Bore: 25 mm ' Stroke: - 100mm, Mounting: Foot.
5	A.F.R. / F.R.L. Unit- 1/4", 0	10 Kg/cm ² with Pressure Gauge.
6	Hand Lever Operated Valves	2 No.s, 5/2 way& 3/2 way, 5/3 way(SAP 19A) 1/4" Connection.
7	Shuttle Valve	OR Valve, 1/4" connection.
8	AND Valve	Dual Pressure Valve, 1/4" connection.
9	Flow Control Valve	1/4" (F), Square Body.
10	Non Return Valve	1/4" connection.
11	Block Manifold	1/4", 6 ways.
12	Plastic Tubing	PUN 4x0.75, Exterior Diameter-6mm, Interior Dia.- 4mm, Transparent – 10mtrs/Blue-10mtrs.
13	Quick Push-Pull connectors	Sufficient shall be supplied for branching of the tubing for making of thecircuitry.
15	Solenoid Valve (Optional)	2 No.s, 5/2 way& 3/2 way, 1/4" Solenoid Operated.
22	Air Compressor(Optional)	Tank capacity: 25 Liters, Discharge: 2 CFM,1 H.P.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com