



**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

N o.	Item Name	Technical Specifications
1	Pressure Gauge	0-7 Kg/cm <sup>2</sup> , 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 <sup>2</sup> with Pressure Gauge.
6	Hand Lever Operated Valves	2 No.s, 5/2 way& 3/2 way, 5/3 way 1/4" Connection.
7	Shuttle Valve	OR Valve, 1/4" connection.
8	AND Valve	Dual Pressure Valve, 1/4" connection.
9	Flow Control Valve	1/2" (F), Square Body.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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N o.	Item Name	Technical Specifications
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	Push Button Valve	5/2 way Valve / 3/2 way Valve, 1/4" Connection.
14	Quick Push-Pull connectors	Sufficient shall be supplied for branching of the tubing for making of the circuitry.
15	Roller Lever Valve	5/2 way, 3/2 way Valve, 1/4" Connection.
16	Rotary Disc Valve	4/3 way Valve, 1/4" Connection.
17	Rotameter	1/2" connection.
18	Pilot Operated Valve	5/3Spring Centered, 5/2Spring Returned, 3/2 Pilot Operated.
19	Palm Operated Valve	3/2 way Valve, 1/4" Connection.
20	Foot Operated Valve	5/2 way Valve, 1/4" Connection.
21	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.

### Range of Experiments

- Study of Pneumatic Cylinders: Single Acting, Double Acting (linear actuator).
- Study of pneumatic control system
- Study of construction & operation of pneumatic components such as 5/2 Way Hand Lever valve, 3/2 Way Hand Lever valve, etc.
- Study of construction & operation of pneumatic components such as 5/2-way Solenoid valve, 3/2-way valve, pneumatic motor (Rotary actuator) etc.
- Study of AND Valve (Dual Pressure Valve)
- Study of Shuttle Valve (OR Valve)
- Study of operation of Hand Lever Valve (3/2 & 5/3 DCV)
- Study of Flow Control Valve
- Study of rotary disc operated valve, roller lever valve, pneumatic rotameter
- Study of pilot operated valves such as 3/2 single pilot operated, 5/2 single pilot, 5/3 pilot operated valve

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- Study of palm operated valve, foot operated valve, push button valve

**System Dimensions:** 3 Ft. (L) × 2 Ft. (W) × 4.5 Ft. (H) **Approx.**

- **Weight:** Approx. 30 Kg

### Services Required

- Electric supply: 1 $\phi$ , 230 V AC, 6A, 50 Hz
- Clean, dry compressed air supply at 4–5 Kg/cm<sup>2</sup>

### Note

*All descriptive matter and illustrations are intended to give only a general idea of the equipment. Detailed specifications may be altered at the company's discretion without any notice.*

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