



The Study of Various types of Actuators setup (52386) outlines the basic Principle of different Actuators used in Control System, & their applications.

Features

- Compact Ergonomic Design.
- All components identical to those used in industry.
- User Friendly, Self Explanatory Systems.
- Leak proof Safety Measures, sturdy & Robust Construction.
- Training Manuals & mimic Charts for Operation Ease.
- System Frame with Caster Wheel Arrangement for ease in movement.
- M.S. fabricated powder coated with necessary fittings, couplings and mountings.
- Inbuilt Safety Measures to avoid improper usage.
- Detailed Operation & Instruction Manual.

Services Required

- Electric Supply of 1 ϕ 230 VAC motor.
- Clean, Dry, Compressed Air Supply. Working Pressure: 5-6Kg/cm².

System Dimensions: 3.25 Ft. (L) X 1.75Ft. (W) X 5 Ft. (H)

Weight: Approx.60 Kg

Note: Specifications are subject to change.

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Technical Specification

(A) PNEUMATIC ACTUATORS

No.	Item Name	Technical Specifications
1	Pneumatic Control Valve	Size: ½", Type: Two way Globe type (Air to Close), Cv: 0.2 / 5 US GPM, with diaphragm actuator, Linear / equal % characteristics Flange connection: PCD: 60 mm, ID: 16 mm, OD: 90 mm.
2	Air Manifold	1 no., 6 ports, ¼" Connection.
3	Double Acting Cylinder	Mounting: Foot , 1 no. ¼" connection
4	Single Acting Cylinder	Mounting: Foot , 1 no. ¼" connection
5	3/2 way Hand Lever Valve	1 no, ¼" Connection, Hand Lever Operated Valve
6	5/2 way Hand Lever Valve	1 no, ¼" Connection, Hand Lever Operated Valve
7	Precision APR	1 no. ¼" connection, O/P 3-15 psi, with Gauge
8	FRL Unit	1 no. ¼" connection, O/P 0-10Kg/cm2. with Gauge
9	Flow Control Valve	1 no, ¼" Connection, Unidirectional, Square Body

(B) PNEUMATIC ROTARY ACTUATOR

No.	Item Name	Technical Specifications/Objective
1	Pneumatic Motor	Unidirectional, Air pressure: 0-90 psi

(C) Electric Actuator

No.	Item Name	Technical Specifications
1	Motorized Control Valve (Linear Electric Actuator)	Motorized Actuator: Input:4-20mA, Valve Size: ½", Type: Two way Globe type, Cv: 0.2 / 5 US GPM, with diaphragm actuator, Linear / equal % characteristics, Flange connection: PCD: 60 mm, ID: 16 mm, OD: 90 mm
2	Servo Controller	Input: 4-20mA, Output: 4-20mA, F.B.: 4-20mA, Supply: 1φ 230 V AC
3	Current Source	Supply : 230 V AC, Output: 4-20mA
4	Air Compressor (Optional)	Tank capacity: 25 Liters, Discharge: 2 CFM, Motor: 1 H.P. 230 V AC Operated, Working pressure: 5-6 kg/cm2
5	M.S. powder coated plant with castor wheel & standard Instrument Mountings	

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