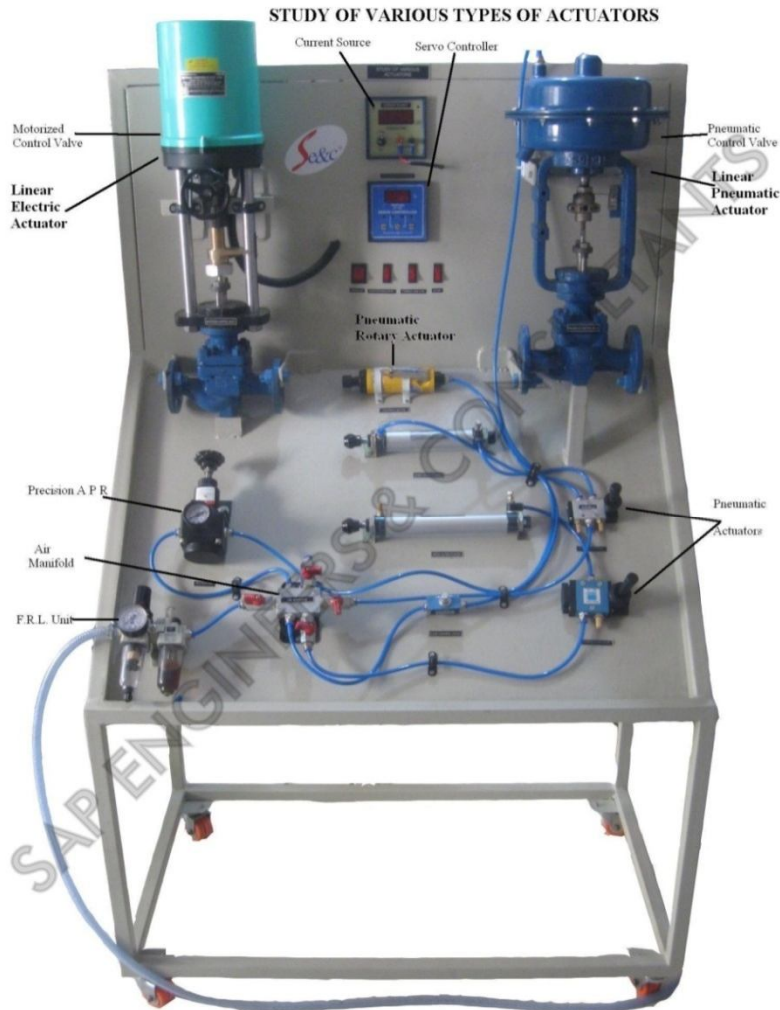


SAP E & C STUDY OF VARIOUS TYPES OF ACTUATORS (PRODUCT CODE: SAP - 88)



STUDY OF VARIOUS TYPES OF ACTUATORS

The **Study of Various types of Actuators setup (SAP – 88)** outlines the basic Principle of different Actuators used in Control System, & their applications.

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, 1/4" Connection, Hand Lever Operated Valve
6	5/2 way Hand Lever Valve-	1 no, 1/4" 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/cm ² . with Gauge
9	Flow Control Valve-	1 no, 1/4" Connection, Unidirectional, Square Body

(B) Pneumatic Rotary Actuator-

No.	Item Name	Technical Specifications
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/cm ²
5	M.S. powder coated plant with castor wheel & standard Instrument Mountings	

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 1ϕ 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- 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.

Manufactured/Marketed By

SAP ENGINEERS & CONSULTANTS

Regd. Off. : Shop No. 26-27,'Srushti', Survey No.82, Near Guru Ganesh Nagar,
Eklavya College Road (D.P.Road), Kothrud, Pune - 411 038, India

Telephone : (020) 2538 4737

Mobile : +91 94220 88946, +91 9552475082

Fax : (020) 2538 3544

Email : sales@sapengineers.com

Website : www.sapengineers.com / www.sapengineers.co.in

