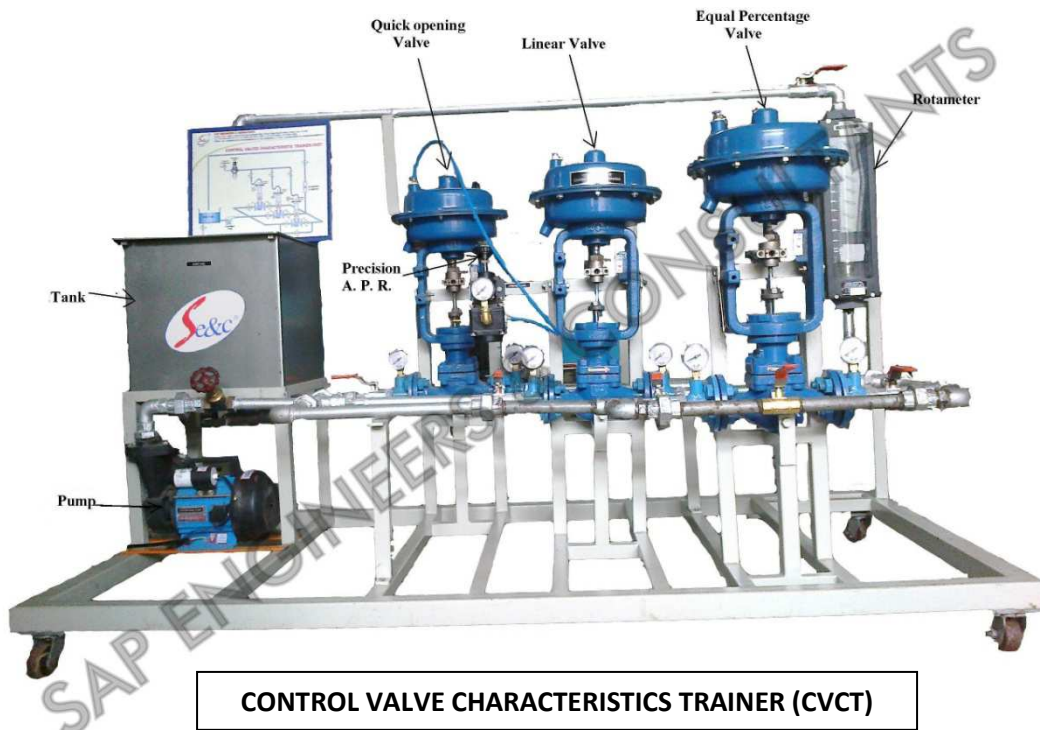


**SAP E & C CONTROL VALVE CHARACTERISTICS TRAINER  
(PRODUCT CODE: CVCT)**



**CONTROL VALVE CHARACTERISTICS TRAINER (CVCT)**

The **Control Valve Characteristics Trainer (CVCT)** is the system which outlines basics of control Valve, its characteristics.

**Keywords:**

- ❖ Equal Percentage Characteristics.
- ❖ Linear Characteristics.
- ❖ Quick Opening Characteristics

**Technical Specification: -**

No.	Item Name	Technical Specifications
1	Sump tank-	Material: Stainless Steel 1.5 mm thick/ P.P 5 mm thick, Capacity: 30 liters, Dimension: 1ft (L)×1ft(W)×1 ft (H).
2	Piping-	½" GI, Class B, with ½" SS ball valves: 10 No.s
3	Centrifugal Pump-	½/¼ H.P., 1ϕ 230 V AC supply
4	Pneumatic control valve-	3 Nos, Size; ½", Type: Two way Globe type for Equal Percentage, Linear Valve & Quick Opening Valve. (Air to Close) Cv: 5 us GPM, with diaphragm actuator.
5	Rotameter-	Range: 0-1000 LPH, Glass tube type/Acrylic body Connection: ½", Mounting: Inlet Bottom Outlet Top
6	A.F.R. / F.R.L. Unit-	0-2.1 Kg/cm <sup>2</sup> with pressure gauge
7	Air Compressor (Optional)-	Tank capacity: 25 Liters, Discharge: 2 CFM Motor: 2 H.P., 230 V AC Operated, Working pressure: 5-6 kg/cm <sup>2</sup>

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**Range of Experiments-**

- ❖ Control valve characteristics
  - Study of Equal % characteristics.
  - Study of linear characteristics.
  - Study of ON-OFF/Quick opening characteristics.
- ❖ Study of control valve sizing.
- ❖ Study of control valve noise.
- ❖ Study of control Valve calibration and stroke checking.

**Features: -**

- ❖ Compact Ergonomic Design.
- ❖ User Friendly, Self Explanatory Systems.
- ❖ Robust Construction.
- ❖ Training Manual for Operation Ease.
- ❖ Caster wheel mounted movable frame

**System Dimensions-** 5 Ft. (L) X 3 Ft. (W) X 4 Ft. (H)

**Services Required-**

- ❖ Electric Supply of 1 $\phi$  230 VAC, 50Hz
- ❖ Water supply and drainage arrangement.
- ❖ Clean, Dry, Compressed air supply at 2.1 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.

Manufactured/Marketed By

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