



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**

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).
Piping	½", GI, Class B, with ½" SS ball valves: 10 No.s
Centrifugal Pump	½/¼ H.P., 1f 230 V AC supply
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.
Rotameter	Range: 0-1000 LPH, Glass tube type/Acrylic body Connection: ½", Mounting: Inlet Bottom Outlet Top
A.F.R. / F.R.L. Unit	0-2.1 Kg/cm <sup>2</sup> with pressure gauge
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>

**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.

Note: Specifications are subject to change.

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Order Code - 52250 to 52252  
Control Valve Characteristics Trainer

**Features: -**

- Compact Ergonomic Design.
- User Friendly, Self Explanatory Systems.
- Robust Construction.
- Training Manual for Operation Eas
- Caster wheel mounted movable frame
- System Dimensions- 5 Ft. (L) X 3 Ft. (W) X 4 Ft. (H)

**Services Required-**

- Electric Supply of 1f 230 VAC, 50Hz
- Water supply and drainage arrangement
- Clean, Dry, Compressed air supply at 2.1 Kg/cm<sup>2</sup>.

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