

SAP E & C CONTROL VALVE CHARACTERISTIC TRAINER (CVCT)



The control valve characteristics trainer is the system, which outlines basics of control Valve, its characteristics.



Keywords:

- ❖ Equal % characteristics.
- ❖ Linear characteristics.
- ❖ Quick opening characteristics.

Technical Specification: -

- ❖ Sump tank: - Material: Stainless Steel, 2 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 nos.
- ❖ Centrifugal Pump: - ¼ H.P., 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.

- ❖ Air Precision Regulator: - 0-2.1 Kg/cm² with pressure gauge.
- ❖ Air Compressor: - Tank capacity: 30 Liters, Discharge: 2 CFM
(Optional) Motor: 1/2 H.P. 230 V AC Operated, Working pressure: 3-4 kg/cm²

Features: -

- ❖ Compact Ergonomic Design.
- ❖ User Friendly, Self Explanatory Systems.
- ❖ Robust Construction.
- ❖ Training Manual for Operation Ease.

Range Of Experiments:

- ❖ Control valve characteristics
- ❖ A] Study of Equal % characteristics.
B] Study of linear characteristics.
C] 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.

System Dimension: 5 Ft. (L) X 3 Ft. (W) X 4 Ft. (H)

Services Required:

- ❖ Water supply and drainage arrangement.
- ❖ Clean, Dry, Compressed air supply at 2.1 Kg/cm².
- ❖ Single Phase 230 VAC 50 Hz Supply.

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.

<p>Manufactured / Marketed by</p> <p>SAP ENGINEERS AND CONSULTANTS</p>		
Regd. Off.	: Shop No. 26, 27 Srushti, S. No. 82/11+12++33+34, Eklavya Clg Rd (D. P. Road), Kothrud, Pune- 38	
Telephone	: (020) 25384737	
Mobile	: (+91) 9422088946, 9552475082	
Fax	: (020) 25383544	
Email	: pravinsdeode@vsnl.net	
Website	: www.sapengineers.com / www.sapengineers.co.in	