

## HINDUSTAN CONTROL SYSTEMS

Hindustan Control Systems's core business has been in the manufacturing and repair of Servo Voltage Stabilizers. The company has both cost and quality conscious approach and the key feature is customer base service.

That is why in a short span of time, Hindustan Control Systems is known for Servo Voltage Stabilizers with reliable technology, proven quality, time tested performance with timely delivery and prompt service after sale.

Hindustan Control Systems dedicate itself to the responsibility towards "Customer Satisfaction and Goodwill."



### PROFILE

Our works is equipped with complete infrastructure to manufacturer a wide range of Oil Cooled and Air Cooled Servo Voltage Stabilizers up to 3000 KVA, Single Phase up to 300 KVA and Three Phase up to 3000 KVA.

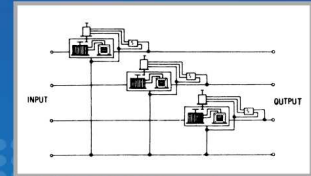
Hindustan Control Systems's Servo Voltage Stabilizers incorporate most modern engineering concepts, use of high quality raw material, manufacturing process under expert supervision and rigid quality control measures. The Servo Voltage Stabilizers are specially designed to cater their specific use and confirm the latest version of IS: 9815-94 in all respect, keeping adequate safety margins at our end.

Even if you need your old damage Servo Voltage Stabilizer to be repaired, reconditioned or reengineered for fresh lease of life Hindustan Control Systems is here to take care and solve your problems.

In house design, raw material testing, strict quality control in manufacturing process, inspection before dispatch for its dimensional accuracy, painting, finishing and marking of the Servo Voltage Stablizers are some of the salient features of Hindustan Control Systems.

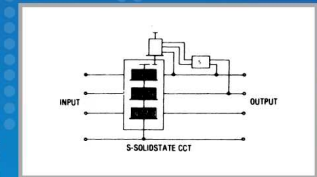
### HCS-Three Phase Unbalanced Type

This basically consists of three single phase units of one third capacity each, connected in "STAR." The output voltage on all three phases are balanced even if the input voltage and the loads connected on the three phases are entirely different (unbalanced). This is a combination of three variacs, alongwith three servo motors, three buck and boost transformers and three solidstat control circuits.



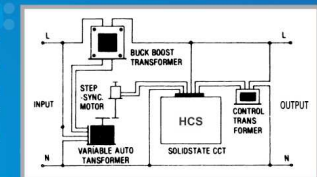
### HCS Three Phase Balanced Type

This is a combination of single control circuit, three variacs are mechanically coupled and operated by a single motor. Sensing is done in one phase and other two phases set corrected correspondingly. This is suitable for use with balanced supply and balanced load. Some unbalancing in load can be tolerated but at a loss of accuracy in the output voltage.



### HCS Single Phase

This control circuit continuously monitors the output voltage and monitors for any errors in output side. Any changes in the output side is immediately corrected by switching on the Servo motor. The Servo Motor attached to the variacs increases or decreases the voltage to primary of buck/boost transformer. The buck/boost transformer adds or subtracts the voltage to mains so that the output voltage remains within the required limit.



### Salient features

- IC based solidstat, without relay, front loading, plug in control card for easy on line service ability.
- Auto and manual operations through toggle switch.
- No waveform distortion.
- Efficiency better than 96% High accuracy from  $\pm 0.5\%$  to  $\pm 1\%$  from no load to full load.
- Air Cooled / Oil Cooled.
- LEDs indicating power on High/ Low voltage.
- Push button to increase and decrease for manual adjustment.
- Stepless voltage correction at high speed without overshoot / hunting.

### Features on Demand

- High-low voltage cut-off.
- Overload protection
- Single phase preventor.
- Reverse phase sequence protection for three phase Stabilizer.
- By-pass facility.
- Audio Alarm.
- Amp. meter with CTs and selector switch.

