SERVO CONTROLLED VOLTAGE STABILIZER (AC, 50 HZ) (S.C.V.S.) :

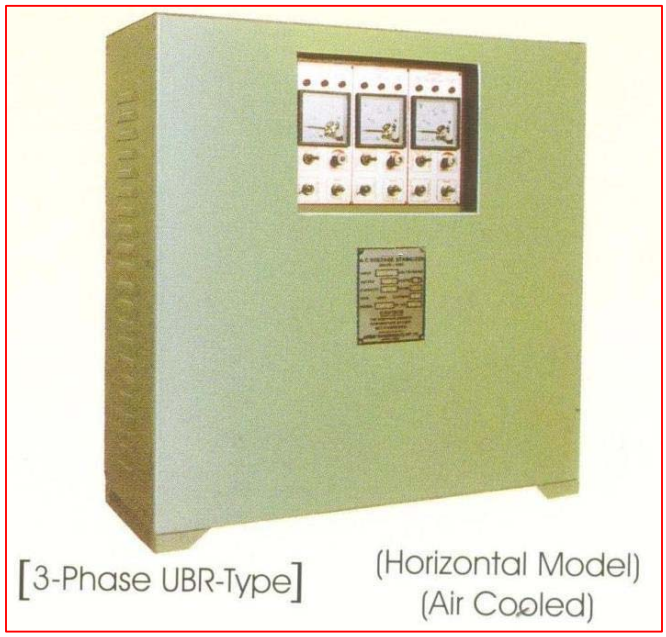
Technical Description :

Servo-controlled A.S. Voltage stabilizers have been specially designed incorporating the latest solid state technology to protect your equipment from harm caused by undesirable voltage fluctuation.
The Servo-controlled automatic voltage stabilizers essentially consists of :

- **Autostat :** It is a continuously variable voltage auto-transformer operated by high torque-low inertia bi-directional synchronous servo motor.
- **Transformer :** It is a double wound type buck-boost series transformer, wound with best quality electrolytic copper conductor and the core material used are of high grade (CRGO) silicon steel.
- **Controller-circuit** : It is a fully solid-state voltage sensing and control circuitry using the latest glass epoxy coated plug-in type printed circuit boards.

A Special note on the control circuit :

Servo-controlled A.C. voltage stabilizers incorporate a specially designed sensing and control circuit employing two monolithic integrated circuits. These offer a distinct advantage over discrete components by virtue of their inherent characteristics which include amongst others excellent frequency again, high common mode rejection ratio, wide operating temperature range, good output to input isolation and precise regulation of D.C. voltages. This has enabled us to offer you a very high output voltage accuracy and excellent temperature stability. The entire sensing and control circuit is provided on a single printed circuit plug-in card to facilitate ease of maintenance and repairs. This ensures that your unit can be re-commissioned in the quickest time, should any repairs be necessary.



Salient Features :

- Maximum efficiency.
- Low internal impedance.
- Zero phase shift.
- No effect on system power factor.
- No effect on frequency.
- Fast correction rate.

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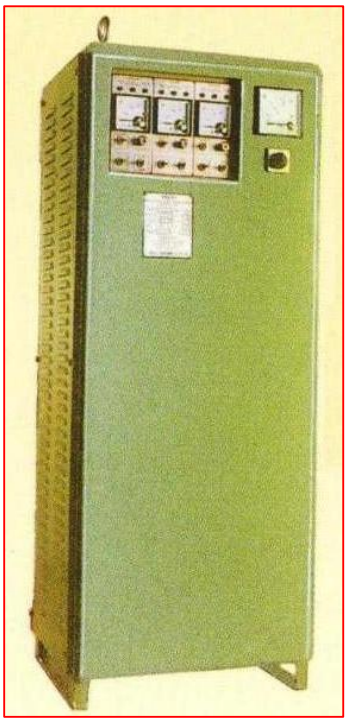
Vertical Model – (Air –Cooled)



[3Phase UBR Type]

Optional Accessoires :

- Over / under voltage cut-off by means of electronic output sensing with contactor.
- Over / under voltage cut-off by means of electronic output sensing and overload / short circuit protection with MCCB.
- Single phasing / reverse phasing preventer.
- Analogue ammeter with C.T. and selector switch.
- Direct reading analogue ammeter.
- Digital ammeter with C.T. and selector switch.
- Digital voltmeter with selector switch.
- Reed type frequency meter.
- Digital frequency meter.
- Digital frequency meter with frequency comparator and over / under frequency cut – off.
- Over / under voltage cut-off when input crosses the specified limit with contactor.
- Over / under voltage cut-off when input crosses the specified limit and overload / short circuit protection with MCCB.
- Over / under voltage audio annunciation only with electronic output sensing.

Typical Applications :

Stabilizers are generally used round the clock and for all kinds of application.
These include :

- CNC Machines
- Hospitals
- Texturising plant (for 24 hrs. application)
- All types of engineering plants.
- Yarn manufacturing units.
- Automobile plants.
- Food processing units.
- Home appliances
- Farm houses
- Audio recording centers.
- Film shootings.
- Hotels and resorts

(Air –Cooled)

[3Phase UBR Type]

Note : Images Shown here are illustrative. As the design & manufacturing of Machines are subject to improvement, the product supplied will be as per our Techno-Commercial offer.