

A Complete Solutions to Voltage Fluctuation.

Winner of Excellence Award



Cosmostat[®]

Servo Voltage Stabilizers

BRIEF PROFILE OF THE COMPANY

COSMOSTAT a name to be reckon with in the field of Servo/Manual/Automatic Voltage Stabilizer, Variacs, CVT, Servo Motor & Transformer was found in the year 1989 by a young, Enterprising Graduate Mr. Mohd. Habib Siddiqui at New Delhi with workforce of highly skilled personnel. Since its inception it has been a constant endeavor of the company to produce best quality product at an affordable price with total customer satisfaction.

With the passing of year **COSMOSTAT** have grown by leaps and bounds and is presently having manufacturing and marketing establishments of more than 5000 square feet with all ultra modern facilities for testing & production.

COSMOSTAT was awarded the Udyog Rattan & Excellence award by IES, New Delhi in the year 2002 for its Quality, Innovation & Management.

COSMOSTAT have a wide dealer network spread across the length and breadth of the country and is enlisted with various Govt. and Multi national organization as their registered supplier. It is also planning to enter the export market in the very near future.

The company is headed by Mr. Mohd. Habib Siddiqui as the Proprietor of the company and is ably supported by Mr. Mohd. Akil in the production and sales department respectively besides a team of highly dedicated technicians.

The motto of the company "QUALITY, RELIABILITY & CUSTOMER SATISFACTION."

The company also takes part in various social welfare activities by providing necessary help as and when required to the poorer section of the society and is dedicated to maintain a pollution free environment keeping with terms of the Govt. policy.

COSMOSTAT takes this opportunity to thank all its customer and supplier for their continuous support to make them a leader in the market & assure all it will continuously strive to deliver better & better services in the future.

Why we need of a Servo Voltage Stabilizer

Electrical energy has become a basic necessity for our present living conditions. Electrical & electronics equipment from ordinary bulbs to sophisticated computer stations, from tiny toy motors to huge machinery motors, consume electrical energy. At any given instant a group of such units are being switched on or switched off at various location throughout power distribution lines. Due to such addition or subtraction of loads, the supply terminal voltage fluctuates. The voltage fluctuation can be controlled manually or automatically by various methods. The safest, surest and the most accurate of them all is Servo Controlled Method which is widely accepted. **COSMOSTAT** Servo Voltage Stabilizer has been developed after immense study of the fluctuation problems and research in the field. The major advantage of having an **COSMOSTAT** Servo Voltage Stabilizer is that the right from the transformer and variac circuit, all the components are manufactured and assembled in-house with assured quality control at every stage of manufacture.

The performance of any electrical equipment is optimum at its rated voltage. Both over-voltage and under voltage produce harmful effects. Under voltage generally reduces efficiency, whereas over voltage shortens life. Effects of voltage on typical equipment are classified below.

EQUIPMENT	EFFECTS OF UNDER-VOLTAGE	EFFECTS OF OVER-VOLTAGE
Semi conductors	Malfunction if operated at voltages below designed minimum voltage	Failure if operated at voltages above designed maximum voltage
Electron tubes	10% drop in cathod voltage reduces cathod emission by 40%	5% increase in cathod voltage reduces tube life by 50%
Rectifiers (platers, battery chargers, welding equipment, etc.)	At 10% under-voltage, plating rate drops by 20% Charging rate drops by 25% And welding time increases by 20%	Excessive heat generated produces poor welds, can reduce rectifier life
Magnetic devices (solenoid clutches, brakes, clamps, motor starters, etc.)	At 10% under-voltage solenoid takes 20% longer time to actuate	Causes excessive mechanical wear and distortion of surfaces

COSMOSTAT Servo Voltage stabilizer have specially designed incorporating latest solid-state technology to protect your equipment from harm caused by undesirable voltage fluctuations.

A Name in Quality Products

COSMOSTAT Servo Voltage Stabilizer essentially consists of the following:-

- Continuously Variable Voltage Auto Transformer
- Buck Boost Transformer
- Synchronous Motor
- Control Panel



Features:

COSMOSTAT Servo Voltage Stabilizer is Designed & Manufactured as per ISI specification by Skilled Engineers. It is a reliable product for stable supply. Its fast correction ratio against quick voltage fluctuation ensures trouble free operation for high precision Electrical & Sophisticated electronic equipments. Sitting in fully Ventilated sheet metal cabinet sprayed with lacquer finish paints. It's rugged build & sleek looks make it a truly top-of-the-line product.

Applications:

- Air Conditioning Plants
- Medical Equipments
- Offset Printing Machines
- CNC Machines
- Escalators & Elevators
- Industries & Lighting Loads
- Telecommutation System
- Sophisticated Laboratory Equipment
- Defence Equipment
- Motors
- Domestic Loads
- Hotels
- Textile Industries
- Pharmaceuticals Industries
- Oil Industries
- R & D Institution
- Metrological Departments
- Induction Heating
- Flour, Paper, Tube Mills
- Distilleries & Beverages
- Footwear Units
- Food Processing Units
- Cold Storages
- Rubber Industries Etc.

Optional Features

- Audio alarm at high / low inputs
- Automatic high/low cut off.
- Single Phase Preventer
- Over Voltage Protection



Friendly Service



Cosmostat[®]

SPECIFICATIONS

Rating	: 2 KVA to 3000 KVA (Single Phase, 3 Phase balanced / unbalanced type)
Input Voltage Range	: (a) 150 - 300V / 160 - 260V Single Phase (b) 360 - 500V / 300 - 460V Three Phase
Output Voltage	: (a) $230 \pm 1\%$ (b) $415 \pm 1\%$ or as desired
Wave form Distortion	: None added by the equipment
Compatibility	: Suitable for operation on main as well as D.G. Set
Suitability	: Suitable for 3 Phase balanced / unbalanced supply / load

OUR MANUFACTURING PRODUCT

SERVO
VOLTAGE
STABILIZER



VARIAC
(VARIABLE AUTO
TRANSFORMER)



CVT (CONSTANT
VOLTAGE
TRANSFORMER)



SERVO MOTOR
3 Kg. Cm to 60 Kg. Cm



ISOLATION TRANSFORMER
STEP UP/DOWN TRANSFORMER



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**Custom
Built Also
Available**

DEALER ENQUIRIES SOLICITED

E-mail : cosmostat@yahoo.com

Fully Automatic - Install & Forget