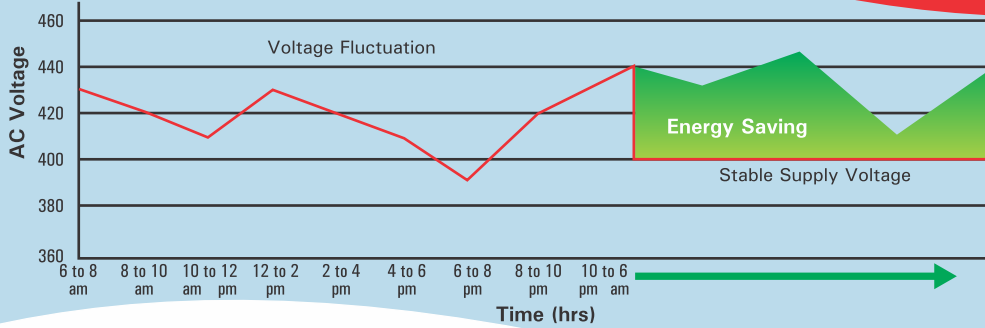




H. T. TRANSBILISER

H.T. A.V.R. & DISTRIBUTION TRANSFORMER (2 IN 1)



INTRODUCTION

NIFA ELECTRONICS Began outlining sound company framework, built on professional lines way back in 1991. NIFA ELECTRONICS has grown by leaps and bounds in exponential manner to become one of the major player in the field of POWER CONDITIONING, POWER MANAGEMENT & Allied Technical Services..

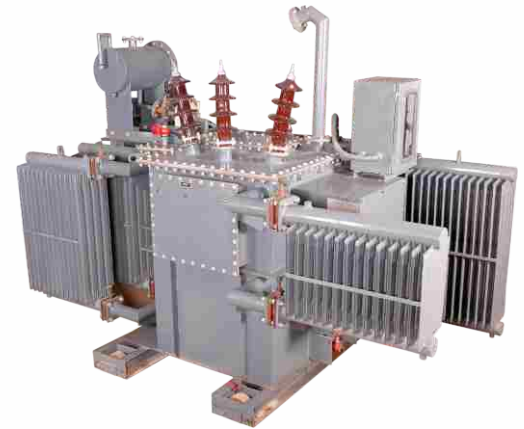
BRIEF ABOUT HT TRANSBILISER

Automatic Voltage Regulator is an equipment meant for obtaining constant voltage from fluctuating mains input supply. It protects valued Plant & Equipments from over and under voltage, resulting in improvements in the efficiency, performance, safety and life of the equipments.

“Nitel” cover a wide range of Automatic Voltage Regulator of the capacity from 25 KVA to 5000 KVA for different input voltage ranges both LT & HT (400 V & 11/33 KV). Transformers with BUILT IN stabilizers are covered upto capacity of 5000 KVA.

The range of input supply which the regulator is designed for depends upon the voltage condition at the supply point. However some standard ranges for H.T. Transbiliser are as mentioned in box.

Input Voltage	8 KV & 12 KV	9 KV & 12 KV
Output Voltage	400 V	



WHY “Nitel” H. T. TRANSBILISER

- Energy saving between 5% to 10%.
- High efficiency (above 98%) & minimum load losses.
- On Load stepless voltage variation.
- Increase in the productivity by reducing the breakdown period of the machines.
- Reduction in maintenance cost of the equipment.
- Low replacement cost.
- Long Service life.

CONSTRUCTION DETAIL

The equipment is a combination of H.T. Automatic Voltage Regulator & Standard Distribution Transformer. The incoming fluctuating H.T. Supply is stabilized and then fed to the step down Transformer & thereby the output voltage level is maintained within 1% accuracy. Apart from this, the unit has following advantages.

- Better Efficiency.
- Space Saving.
- Reduced installation cost.
- Energy saving & thus reduction in Electricity charges.

ADVANTAGES OF H.T. TRANSBILISER

OLTC can correct limited voltage variation in certain steps whereas H.T. Transformer with built in Automatic Voltage Regulator operates "Step Lesley", monitoring continuously the output voltage level and maintains it within 1% accuracy. Because of robust and liberal design, "Nitel" H.T. Transformer with BUILT IN Automatic Voltage Regulator does not need regular maintenance as compared to OLTC and hence life is more, running expenses are less.

APPLICATIONS

"Nitel" H.T. TRANSBILISER play efficient role in all types of Resistive, Inductive & Capacitive loads, like Resistance Heating, Lighting Equipments, Motors, Rectifier Loads etc. It can be installed any where, may it be an Industrial Plant like Cement, Flour Mills, Pharmaceuticals, Cold Storage, Textile, Paper, Food Processing, Chemical, Oil & Vanaspati Plants, and name a few; Hospitals, Hotel, Shopping Mall, Residential Colony/Complex etc.

PAYBACK PERIOD

Owing to its high efficiency and associated benefits, the payback period for the cost of "Nitel" INDL. A.V.R. is from 6 to 12 months. Depending upon the Input Voltage Variation and number of working hours of the plant.. The HIGHER the Input Voltage the SHORTER will be payback period..

ADVANTAGES

- Prolonged coil life (15-20 years) under normal working conditions, due to robust winding.
- The graphite rollers roll, while sliding on the coil track, so contact point of the roller goes on changing which prolongs the life of the rollers.
- Without lifting the complete assembly, the rollers can be inspected / replaced by opening the top cover only.
- Can be manufactured for both INDOOR and OUTDOOR installations.

TECHNICAL SPECIFICATIONS

Input Voltage	- 9 KV to 12 KV; 50 C/S; 3 Ph, 3 wire (OTHER RANGE ON REQUEST)
Output Voltage	- 400 V, 3Ph, 50 C/S; 4 Wire (OTHER RANGE ON REQUEST)
Type of AVR	- * Balance Type with Single Phase control CKT & Mechanism. * Unbalance Type with Each Phase Control CKT & Mechanism.
Efficiency	- 98.5%
Cooling	- ONAN
Type	- Indoor/Outdoor
Mounting	- On Uni-Directional Wheels
Correct Rate	- 1.25% Of Input Voltage
Duty Cycle	- 100%
Wave form Distortion	- Virtually Nil
Over Load Capacity	- 200% for 1 Minute

PRODUCT RANGE

- Online UPS
- HT & LT Industrial AVR
- Servo Stabiliser
- Ultra Isolation Transformer
- Automatic Power Factor Control Panel
- Maximum Demand Control Panel
- Special Control Panels

SERVICES

- Power Quality Management
- Energy Audit Study

CUSTOMER SUPPORT

Centrally located in Ahmedabad, the customer support division remains consistent in progressively adding to its well-deserved reputation, spurred by a scientific spirit, entire team of engineers & technicians involved in the maintenance operations, meticulously work to keep customer demands satisfied. Our commitment to the customer goes beyond executing the best possible equipment. To help assure the perfect match of product & application, we offer and extensive direct support at all levels.

**We reserve the rights to change product specification without prior notice.*



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