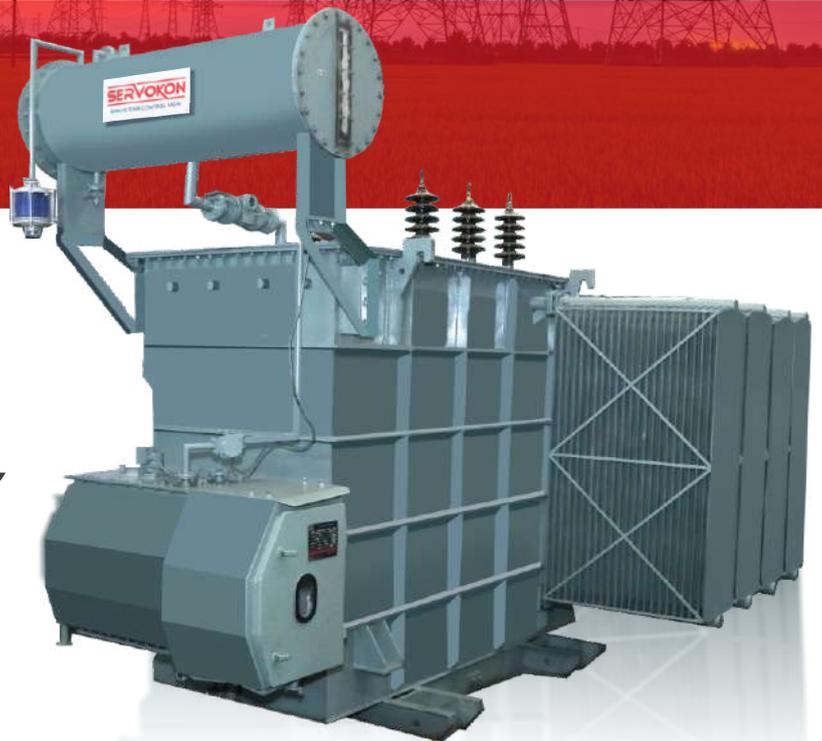


SERVOKON

RAKHE SAB CONTROL MEIN



**HIGH & LOW VOLTAGE
TRANSFORMERS**

Upto 50 MVA, Upto 66 KV Class

WWW.SERVOKON.COM



RAKHE SAB CONTROL MEIN

ABOUT US

OUR COMPANY OVERVIEW

One of the largest manufacturers and suppliers of power conditioning equipment and transformers in the Indian market, Servokon has been synonymous with quality and unmatched performance for more than three decades. The values embedded by Mr. Haji Kamruddin in the organisation's culture at the time of establishment in 1990 are still revered by the stakeholders, and they helped Servokon to steer towards international markets with exceptional growth on export fronts.

The brainchild of Mr. Haji Kamruddin has now evolved into a path-breaking brand of industrial and social significance, and the entire product range of Servokon speaks volumes about the vision and farsightedness of a leader with a high proclivity towards technological innovations and willingness to adopt the best business policies. That's why since its inception, the company has experienced tremendous growth that has gradually helped it to emerge as a national leader in power conditioning equipment and transformers.

Servokon manufactures and delivers avant-garde products, including Power Transformers, Distribution Transformers, Servo Voltage Stabilizers, Rolling Contact/Linear Type Servo Stabilizers, Automatic Voltage Stabilizers, Online UPS, Solar Power Generation System (SPGS), HT AVR, Built-in AVR, CVT, Variable Auto Transformer (Variac), HT & LT Electrical Panels, Furnace Transformers, Pad Mounted Transformers, Isolation Transformers, Compact Sub Stations (CSS), Packaged Sub Stations (PSS), Step Up & Step Down Transformers, Special Duty Transformers, Solar Inverter, Solar Battery, Solar Panels, Geysers and various other Industrial & Domestic Products. Servokon's progressive and transparent company policies and state-of-the-art manufacturing facilities have helped it to extend its market reach even beyond India.

Every product has to pass stringent quality tests before finding its place in the market. Servokon maintains Indian standards (IS), IEC, IEEE, NEMA & various international standards throughout the manufacturing and distribution processes. These consistent efforts in quality assurance have helped Servokon secure approval from the various reputed government institutions and boards such as Central Power Research Institute (CPRI), Electrical Research and Development Association (ERDA), National Test House (NTH), National Accreditation Board for Testing and Calibration Laboratories (NABL), Power Grid Corporation of India Limited and many more government approval bodies.

VISION

To carve a distinct and impactful niche in the production and supply of robust power conditioning solutions such as High-capacity Transformers and Servo Stabilizers through an efficient network of channel partners in India and abroad. Besides, Servokon is committed to facilitating the renewable energy goals of industries and economies through research-based and cost-effective solar power solutions.

MISSION

To successfully understand the present and future needs of domestic and overseas markets and meet their expectations with the most advanced, efficacious, and budget-friendly solutions. Moreover, to continuously add value to Servokon's products and services by leveraging innovations, incorporating skills, and adhering to professional ethics.



Let's bring Quality
& Consistency
together!

#SaifAliKhan

35
YEARS OF TRUST



TRANSFORMERS

Transformers are one of the primary components for the transmission and distribution of electrical energy. Their design results mainly from the range of application, the construction, the rated power and the voltage level. The scope of Transformer types start with Generator Transformers and ends with Distribution Transformers. The transformer can be Single Phase, Double Phase or Three Phase. We are manufacturing Highly efficient low loss star rated transformers in accordance with the latest Indian & International Standards.

We are manufacturing wide range of TRANSFORMERS

- Power Transformers (OCTC & OLTC Type)
- Distribution Transformers (OCTC & OLTC Type)
- Hermetically Sealed Transformers
- Corrugated Tank Transformers
- Inverter Duty Transformers
- Compact Sub Station (CSS)
- Packaged Sub Station (PSS)
- Furnace Transformers
- Station Transformers
- Auto Transformers
- Auxiliary Transformers
- Booster Transformers
- Isolation Transformers
- Ultra-Isolation Transformers
- Generator Transformers
- Special Transformers (Customized)
- Dual Ratio or Multi Winding Transformers
- Transformer with Built in HT-AVR
- Pad Mounted Transformers
- Pole Mounted Transformers
- Ground (Plinth) Mounted Transformers
- Step Down Transformers
- Step Up Transformers
- Earthing Transformers
- Neutral Transformers
- Constant Voltage Transformers
- Variable Auto Transformers
- Cast Resin Dry Type Transformers (CRT)
- Vacuum Pressure Impregnated Dry Type Transformers (VPI)
- Trolley Mount Transformer

Manufacturing Range

- Oil Immersed Type Transformers.
- Dry Type Transformers.
- Single Phase, Double Phase & Three Phase Type.
- Capacity from 25 KVA to 50 MVA.
- Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV, 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV, 66kV, 69kV (Any Special Customised Class as per requirement)

DESIGNING

We are following the relevant and updated Indian Standards namely Latest Amended IS:1180, IS:2026, IS:11171 along with various other applicable Indian Standards as well as International Standards namely IEC 60076 and various other applicable International Standards. We adhered to the Technical Guidelines of IS, ISO, CE, BIS, BEE, ECBC, CBIP, IEC, ANSI, REC, BSI, NES, ASTM, IEEE, EUD, DIN, NEMA, ITMA & IEEMA etc., our manufacturing unit have the up to dated and well-equipped advanced technical bench which is also calibrated as per NABL Guidelines.

TANK

The construction of Tank can be Conventional Type and Corrugated Type as per the project's requirement. The Conventional Tanks consist of the Main Tank Body, Conservator, Cover and Presses Steel Type Radiators. The tanks are made from MS Steels Plates or Sheets with adequate Stiffeners. The Radiators of CRCA (Cold Rolled Close Annealed) can be mounded as Fixed Type or Detachable Type for the heat dissipation and cooling to keep low oil temperature inside the tank. The Corrugated Tanks are made from CRCA and MS Steels, it also knows as hermitically sealed type construction.

WINDING

We are using the best quality wire and strips of Electrolytic Grade Copper and ECC Grade Aluminum conductors covered with inorganic thermally upgraded insulating material like Nomex, DPC, TPC, SE as per requirement of design. These insulations have best mechanical strength and can withstand the temperature upto 220 °C. The winding construction can be Cross Over, Hellical, Disc Type, and Continuous Disc Type. Radial Spacers, Axial Spaces, Cotton Tape, Sleeves, Press Board & Kraft Paper of Electrical Grade are generally used for insulation between Core & HV / LV Coils to provide additional cooling. The use of thermally upgraded insulating material is very important for conductors to allows the windings to withstand conditions of several thermal and mechanical stress.

TESTING

The Transformers manufactured by us are tested for the quality & performance at our in-house Testing Lab. We perform all the recommended Routine Test, Type Test & Special Test as per, IS:1180, IS:2026, IEC:60076 or as applicable. We have also successfully conducted Type Test & Special Test at NABL's accredited Testing Labs like CPRI, ERDA, ERTO & NTH etc., we also offer the Third Party Inspection as per customer's requirement.



CORE

The Cold Rolled Grain Oriented (CRGO) Silicon Steel is also known as Core and the series of Core's Stacked Laminations are called Core Assembly. We use the high grade and low losses material of CRGO like M0, M3, M4, M5, 0.23 or as per IS:3024, BIS & PGCIL's norms, all the electrical characteristics of CRGO are strictly monitored by our design team for superior performance and lower electrical loss.

TRANSFORMER OIL

The importance of Oil in a transformer is just like the blood in the human body. For the superior performance we use fresh mineral Oil of Electrical Grade (EHV) which is Tested and Filtered as per IS:335, IEC:60296, BSI:148 & ASTM:D-1473, D-1533 etc. to withstand the Dielectric and Acidic characteristics.



LIST OF ACCESSORIES

A Transformer has some fittings & accessories depend on its capacity for trouble free operation. A list of Standard as well as Optional Fittings & Accessories as we offer with the Transformer:-

- Oil Conservator with Oil Filling Hole and Drain Plug.
- Rotary Type Off Circuit Tap Changer (OCTC) with Locking Arrangement & Tap Indication.
- Porcelain Type Bare Bushing for HV & for LV Termination.
- Name, Rating & Diagram Plate.
- Explosion Vent with Diaphragm.
- Thermometer Pockets.
- Dial Type Oil Level Indicator.
- Drain cum Bottom Filter Valve.
- Skid Type Base Channels.
- Cable Box for HV Side and for LV Side.
- Uni-Directional Flat Wheels.
- Bi-Directional Flat Wheels.
- Double Floated Buchholz Relay with Alarm & Trip Contacts.
- Magnetic Oil Level Gauge with Alarm Contact.
- Weather proof Marshalling Box with IP:55 Protections.
- Pressure Relief Valve with Alarm Contact.
- Neutral CT and Bushing CT.
- CT for WTI.
- Disconnecting Chamber with Cable Box.
- Uni-Directional Flanged Wheels.
- Industrial Exhaust Fans with Radiator for Force Cooling.
- Prismatic Oil Level Gauge with Minimum, Normal & Maximum Marking.
- Fixed Type or Detachable Type Pressed Steels Radiators for Natural Cooling.
- Winding Temperature Indicator with Alarm & Trip Contacts.
- Lifting Lugs.
- Monogram Plate.
- Earthing Terminals.
- Dehydrate Silica Gel Breather Assembly.
- Top cum Sampling Valve.
- Air Release Plug.
- Oil Sample Valves.
- Jacking Pads.
- Top Cover Lifting Eyes.
- Butterfly of Shut-Off Valves between the Radiators and Main Tank.
- First Filling of Fresh Mineral Oil as per IS:335.
- Oil Temperature Indicator with Alarm & Trip Contacts.
- On Load Tap Changer (OLTC).
- RTCC Panel for OLTC.
- AVR for OLTC.
- Oil Surge Relay with Alarm Contact for OLTC.
- Bi-Directional Flanged Wheels.
- Any additional or special accessories as per project's requirements.

WHY SERVOKON ?

We, the "SERVOKON", a name of trust, are committed to do our part to set a benchmark in the wide range of Power Conditioning products by leveraging our superior expertise. We deliver the best economical solutions worldwide and we are proud to be the best, because our specialties are :

- Trust of 35 Years Working Experience.
- Transparent Behaviour.
- Well Known Indian Brand.
- Your Satisfaction is our Priority.
- Economical and Cost Effective Design.
- Affiliated with the up-to-dated Indian & International Standards.
- Best Durability and Heavy Duty Products.
- Low Electricity Consumption.
- Assurance of Superior Quality and Best Workmanship.
- Promise of Quick Services.
- High Efficiency and Energy Saving Technique.
- Our Products are successfully Type Tested at NABL Approved Testing Laboratories.

APPROVALS

OUR "SERVOKON" MAKE TRANSFORMERS ARE PROVEN AND APPROVED BY THE VARIOUS REPUTED SEB & PSU, SOME OF THE PRESTIGIOUS NAMES ARE FOLLOWING :



Assam Power Distribution Company Limited

Assam Power Distribution Company Ltd. (APDCL)



Jammu & Kashmir Projects Construction Corporation Ltd.



Madhyanchal Vidyut Vitran Nigam Ltd. (MUVNL)



Bihar Urban Infrastructure Development Corporation Ltd.



Kanpur Electricity Supply Company Ltd. (KESCO)



New Okhla Industrial Development Authority



Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd. (UPRVUNL)



Steel Authority of India Ltd. (SAIL)



Bharat Heavy Electricals Ltd. (BHEL)



Nuclear Power Corporation of India Ltd. (NPCIL)



Indian Railways (All Divisions)



National Hydroelectric Power Corporation Ltd.



South Eastern Coalfields Ltd.

South Eastern Coalfields Ltd. (SECL)



Hindustan Petroleum Corporation Ltd. (HPCL)



Indian Oil Corporation Ltd. (IOCL)



National Highways Authority of India (NHAI)



POWER TRANSFORMER

Servokon provides Power transformers up to 50 MVA Capacity and up to 66kV Primary/Secondary voltage with Both Off-Circuit Tap Changer (OCTC) as well as On-Load Tap Changer (OLTC) along with necessary accessories. Power Transformer are Oil immersed and has a life expectancy of around 30 years. We are manufacturing very cost-effective low energy consumption Power Transformers which also meets the State Electricity Board's requirement.

Power Transformers can also be embedded with Nitrogen Infused Fire Protection System (NIFPS) as per Customer Requirement.

Power transformers are generally used in transmission network for stepping up or down the voltage level for its transmission from one place to another to minimise the energy losses. It operates mainly during high or peak loads and has maximum efficiency at or near full load.

Power Transformers are used in the Following Applications :

- Power Generation Station
- Sub Stations
- Electrical Transmission Systems
- Mining
- Hydro Power Projects
- Solar Projects
- Wind Power Projects
- Cement Plants
- Steel Plants
- Refineries
- Captive Power Projects
- EPC Projects

RANGE We Offer

Capacity : From 1 MVA to 50 MVA.

Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV, 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV, 66kV, 69kV (Any Special Customised Class as per requirement)

Cooling : ONAN, ONAF, OFAF, ONWF, OFWF

Tap Changer : OCTC, OLTC



DISTRIBUTION TRANSFORMER

The Distribution Transformer provides the final voltage transformation in the electric power distribution system. Medium and large distribution transformers, installed in substations near to the consumer's side, receive high voltage electric power from the grid, step down its voltage to low voltage i.e. 433/250, 415/240, 400/230, 380/220 Volts and distribute electricity to consumers and lower voltage substations. This is considered one of the most important links in the power distribution network.

Servokon provides distribution transformers up to 10 MVA Capacity and up to 66kV Primary/Secondary voltage along with necessary accessories. Our Distribution Transformers are BIS Certified, Star rated, Energy efficient with Low Losses.

Distribution Transformers are used in the Following Applications :

- Petro-Chemical Industries
- Pharmaceuticals Industries
- Textile Industries
- Plastic Industries
- Mining Industries
- Cement Industries
- Steel Industries
- Hydro Power Projects
- Solar Projects
- Wind Power Projects
- Refineries
- Construction Projects
- Automobile Industries
- Hospitals
- Hotels
- Shopping Malls
- High Rise Buildings
- Heavy Industries
- Manufacturing Industries
- Commercial & Residential Towers
- Generation & Transmission
- Oil & Gas Plants
- Tunnel Projects
- Highway Construction Projects

RANGE We Offer

Capacity : From 25 KVA to 10 MVA.

Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV, 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV, 66kV, 69kV (Any Special Customised Class as per requirement)

Low Voltage Class : 380 V, 400 V, 415 V, 433 V & 440 V (Any Special Customised Class as per requirement)

Cooling : ONAN

Tap Charger : OCTC, OLTC



HERMETICALLY SEALED TRANSFORMER

This technology is also known as Corrugated Transformer. The function and operations of these Transformers are similar like other conventional type Transformers but the construction of main tank is done with Corrugated Fins and MS Steels to provide the adequate cooling surface to avoid heating during operation. Corrugated Fins increase the surface area and take care of dissipation of heat, the Corrugated Fins once welded become integral part of Transformer's Tank structure. The skills and the workmanship of highly experienced and qualified welders ensure that the finished Tank is leakage free, the reliability of Tank's design is proven by over pressure test.

Hermetically Shield Transformers do not have Conservators and Silicagel Breather, the Dielectric Insulating Fluid / Oil is completely sealed in the Transformer Tank and therefore is not in contact to the atmosphere. The design avoids the entry of natural air in the Transformer Tank which prevent the sludging and oxidation in the Dielectric Fluid / Oil. Since the Insulated Oil does not come in contact with external air, there is hardly any deterioration of Oil over a period of time and hence such Transformers are virtually maintenance free.

Features :

- Limited Moisture in Oil.
- No Dehydrating Breather
- Limited Protection Devices Required
- Best working in Polluted Area
- Longer Life of the Transformer
- No need to Oil Filtration
- Compact Size
- Improve the reliability of the operation

RANGE We Offer

Capacity : From 50 KVA to 5000 KVA.

Voltage Class Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV, 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV, 66kV, 69kV (Any Special Customised Class as per requirement)

Low Voltage : 380 V, 400 V, 415 V, 433 V, 440 V & 600 V, 690 V (Any Special Customised Class as per requirement)

Cooling : ONAN



INVERTER DUTY | SOLAR TRANSFORMER

Inverter duty transformer is also called as Solar Transformer & Step-up Transformer. These transformers are usually used in grid-tied photovoltaic solar power applications, to provide galvanic isolation, step-up the voltage and transfer energy back to the utility grid.

Most of the grid-tied photovoltaic solar power plants include a inverter duty transformer in their voltage/power transfer cycle. The photovoltaic modules consists of photovoltaic cells which absorbs the photons emitted by incident sun rays thereby generating flow of electrons.

The current generated is usually direct current (DC). This direct current is then provided as an input to an inverter which converts the DC to an alternating current (AC). However the voltage generated by this inverter is in few kilo volts (kV) which cannot be transferred to the power grid for further distribution and usage. The power grid mostly taps voltages in the range of 11kV, 22 kV, 33 kV. This is where the inverter duty transformer plays a major role in stepping up the voltage to the required level.

Servokon offers a wide range of Three Phase Transformers for Photovoltaic power solutions with multiple windings (3, 4, 5 etc.) on primary side of the transformer enables to connect multiple inverters to the grid with minimum number of transformers specifically designed to fulfil customer requirements and conform to various national and international standards.

RANGE We Offer

Capacity : From 100 KVA to 20 MVA

High Voltage : 11 kV to 33 kV (Any Special Customised Class as per requirement)

Low Voltage : 380 V, 400 V, 415 V, 433 V, 440 V & 600 V, 800 V (Any Special Customised Class as per requirement)

Cooling : ONAN

Tap Changer : OCTC, OLTC



FURNACE TRANSFORMER

Induction Furnace has coil constructed from heavy copper tubing. It is designed and tuned to the inverter circuit which applies a medium frequency (generally 500 Hz or 1000 Hz) voltage to the Induction coil. The magnetic field produced by the induction coil induces eddy currents in the charge and heats it. Medium frequency is necessary to enhance the rate of heat generation.

The inverter circuit requires for its operation a D.C. Voltage which is obtained by converting available three phase A.C. Voltage. Transformers which are used for transforming available three phase A.C. voltage to required voltage for converter circuit of the Induction Furnace are referred to as Induction Furnace Transformers. Thus they are essentially Rectifier/ Converter Duty Transformers.

These transformers must be designed to resist the high levels of electrical, thermal and mechanical stress to which they are subject during utilisation.

The furnace transformer thus has special features to handle such high currents as compared to conventional transformers. The electric arc furnace has 3 electrodes connected to the secondary terminals of the furnace transformers. The secondary terminals of the transformers are subject to frequent short circuits during the melting process through the charge and arc. Hence the furnace transformer needs to be specially designed to withstand the frequent short circuits.

These Transformers are specially designed for :

- Electrotherm Furnace
- Inductotherm Induction Furnace
- Submerge Arc Furnace
- Electric Arc Furnace
- Ladle Refining Furnace applications.

RANGE We Offer

Capacity : From 250 KVA to 30 MVA.

Voltage Class : 433 V, 3.3 kV, 6.6 kV, 11 kV, 22 kV, 33 kV (Any Special Customised Class as per requirement).

Low Voltage Class : 400 V, 440V, 500V, 575V, 750V, 800V
1000V (Any Special Customised Class as per requirement).

Cooling : ONAN, ONAF, OFAF, ONWF, OFWF.

Tap Changer : OCTC & OLTC



COMPACT SUB STATION (CSS)

The Compact Sub Station (CSS) also known as Packaged Sub Station (PSS).

The Compact Sub Station (CSS) is a compact enclosure consisting of MV switchgear, a transformer, LV switchboard along with interconnections and auxiliary equipment to transform energy from medium to low voltage system located in three separate compartments which are segregated from each other by means of partitions in order to ensure personnel safety. Accessibility to operate or maintain the equipment is through lockable doors provided for each compartment to maximise security. Assembly of the complete substation is factory ready to minimise site installation time and cost. All equipment is of high quality and tested as a complete unit.

Medium Voltage Switchgear : The MV Switchgear compartment is Equiped with Compact Ring Main Unit (RMU) & Vacuum Circuit Breaker (VCB).

Transformer : The dry and oil type transformer can be installed inside the transformer compartment, the transformer rating for the oil type transformer is up to 2500 KVA. The transformer compartment design provide smooth air flow and natural cooling in order to meet the temperature rise requirement as per standard.

LV Switchboard : The LV Switchboard compartment contains Low Voltage distribution board which is fed from the secondary side of transformer. The LV Switchboard can be designed as per customer. Different types of switching devices, Breaker (ACB or MCCB) or fuse switches can be accommodate inside the Panel.

Features :

- High level of safety for equipment and personnel
- No access to live parts
- Engineered footprint to meet the required clearance standards
- Can be lifted with the transformer installed
- Access to the MV & LV compartment provided through a double door arrangement.



MV
Switchgear

Transformer
Compartment

LV
Switchboard

RANGE We Offer

Capacity : 100 KVA to 2500 KVA

Voltage Class : 11kV, 22kV & 33kV (Any Special Customised Class as per requirement).

Low Voltage : 380 V, 400 V, 415 V, 433 V & 440 V (Any Special Customised Class as per requirement)

Cooling : AN, ONAN

Tap Change : OCTC, OLTC



DRY TYPE TRANSFORMER

Cast Resin : Cast Resin dry type transformer is a transformer that does not use liquid as insulation for its winding or core. Instead the windings and core are kept within a sealed cast epoxy resin.

VPI : A vacuum pressure impregnated dry type transformer has an iron core, vacuum pressure resin impregnated high voltage windings and low voltage windings. The low voltage winding is constructed with conductors.

Dry Type of transformer has some featured advantages :

Health & safety

- Hardly inflammable, self extinguishing
- Highly moisture-proof
- No pollution to the environment
- Extremely low content of burnable material
- No content of any halogen, silicones, nitrogen in the insulation
- Free from all restrictions that apply oil type transformers

Flexibility & Cost Saving

- Minimum maintenance is required
- No liquids used ; no risk for leakage
- Repair Possibilities (at site)
- Installation close to the center of major consumers
- Reduce cable costs, transmission losses and installation costs

Health & safety

- Cooling is the most efficient (up to 40%)
- Low partial discharge, therefore, high life expectancy.
- Excellent insulation level, short circuit and lightning Impulse
- Ability to handle greater short time overloads rather than oil type

RANGE We Offer

Capacity : From 100 KVA to 4 MVA

Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV

13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV (Any Special Customised Class as per requirement)

Low Voltage : 380 V, 400 V, 415 V, 433 V, 440 V & 600 V (Any Special Customised Class as per requirement).

Cooling : AN, ANAF

Tap Change : OCTC & OLTC



PAD MOUNTED TRANSFORMER

Servokon offers a complete line of liquid-filled Three Phase Pad-Mounted distribution transformers that meet applicable ANSI®/IEEE® standards specially designed for European & US Market.

With high voltages up to 34.5 kV and ratings up to 5,000 kVA (ONAN), Servokon compartmental-type Three Phase Pad-Mounted Commercial Transformers are designed for outdoor installation on a concrete pad and provide underground power distribution to commercial, industrial and institutional loads. High-grade materials, combined with sophisticated engineering design systems, are key elements of a transformer that will deliver years of highly reliable service.

Features :

- 60 Hz operation.
- 65°C average winding rise.
- Radial & loop feed arrangements.
- Dead and live front type of HV terminals.
- Plug-in type HV bushing
- HV BIL 45 – 150 kV (Dead Front) 200 kV (Live Front).
- LV BIL 30 – 60 kV.
- Three-point latching of low-voltage door.
- High-voltage door, which can be opened only after the low-voltage door is opened.
- Rigid steel partition.
- Transformer tank welded from cover to base.
- Permanent nameplate.
- One-inch drain valve and sampler
- Automatic pressure-relief valve
- Tap changer with (2) 2.5% full capacity taps above and below nominal.
- Painted olive-green color or as per Customer requirement.
- Designed, manufactured and tested in accordance with the latest ANSI/IEEE standards

RANGE We Offer

Capacity : From 100 KVA to 5000 KVA.

Voltage Class : 12.47 kV, 13.2kV, 13.8kV, 34.5kV (Any Special Customised Class as per requirement).

Low Voltage : 380 V, 400 V, 415 V, 433 V, 440 V,

600 V & 690 V (Any Special Customised Class as per requirement).

Cooling : ONAN



HT-AVR & TRANSFORMER WITH BUILT-IN AVR

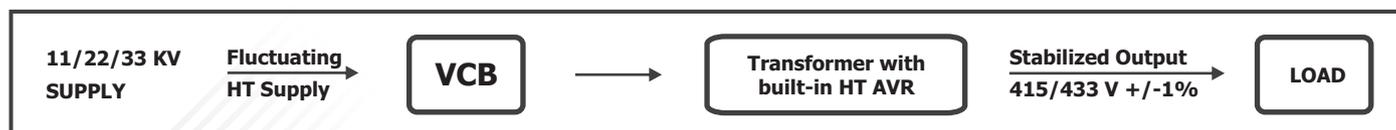
HT AVR (High Tension Automatic Regulator) Upto 5000 KVA

Servokon offers precision engineered state-of-art HT Servo Stabilizer (HT AVR), as the name suggests this AVR operates "on load", continually and directly on the HT line giving stabilized HT voltage output. The fluctuating HT voltage from grid supply is initially controlled by the HT AVR with accuracy of +/-1% and then fed to the transformer resulting in constant LT output within +/-1% accuracy. This can be understood better by the schematic diagram shown below:



Transformer with Built-in AVR

Servokon offers precision innovative state-of-art Transformer with built-in AVR, which is combination of HT AVR and a standard distribution transformer. The fluctuating HT voltage from Grid supply is initially controlled by the HT AVR with accuracy of +/-1% and then fed to the transformer which transforms in into its standard ratio to LT voltage. Subsequently, stabilized HT voltage will result in stabilized LT voltage with an accuracy of +/-1%. Basically input will be 11/33kv and the output will be LT voltage with +/-1% can be obtained through a single product. This can be understood better through the following schematic diagram given below:



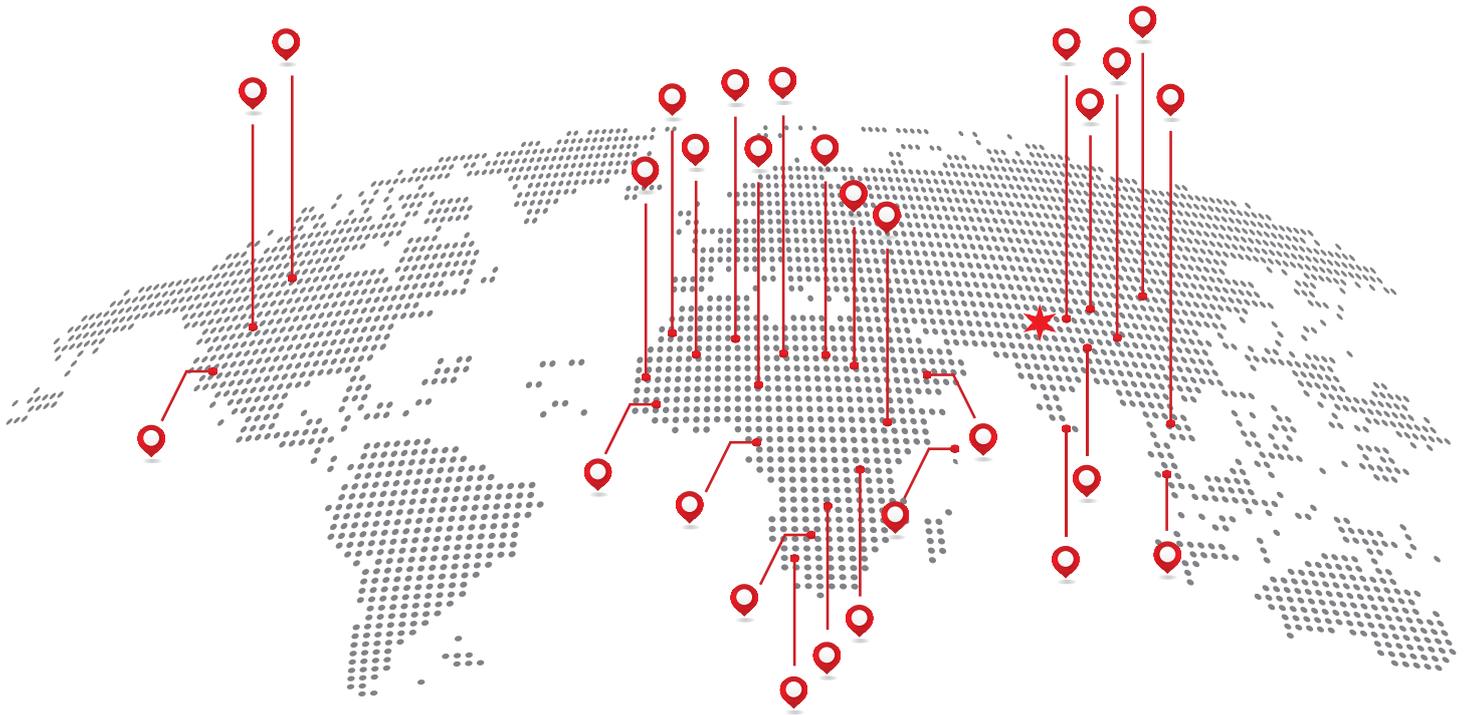
RANGE We Offer

Capacity : From 100 KVA to 10MVA.

Voltage Class : 6.6kV, 11kV, 22kV, 33kV (Any Special Customised Class as per requirement).

Cooling : ONAN

COMPANY PRESENCE



EXPORTING IN 30+ COUNTRIES



3-TIER DISTRIBUTION NETWORK

300+
Distributors

3000+
Dealers

600+
Team Members

INDIA NETWORK

HO - Noida

Works : Ghaziabad

18+
States Operations

Our Prestigious **GOVERNMENT CLIENTS**



Our Prestigious PRIVATE CLIENTS



SERVOKON

RAKHE SAB CONTROL MEIN



PRODUCT RANGE

- Power Transformers ▪ Distribution Transformers ▪ Servo Voltage Stabilizers ▪ Rolling Contact/Linear Type Servo Stabilizers
- Automatic Voltage Stabilizers ▪ Online UPS ▪ Solar Power Generation System (SPGS) ▪ HT AVR ▪ Built-in AVR ▪ CVT
- Variable Auto Transformer (Variac) ▪ HT & LT Electrical Panels ▪ Furnace Transformers ▪ Pad Mounted Transformers
- Isolation Transformers ▪ Compact Sub Stations (CSS) ▪ Packaged Sub Stations (PSS) ▪ Step Up & Step Down Transformers
- Special Type of Transformers ▪ Solar Inverter ▪ Solar Battery ▪ Solar Panels ▪ Geysers



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SERVOKON SYSTEMS LIMITED

- 📍 **HO - Noida | Works : Ghaziabad**
Regional Offices : Delhi | Kanpur | Srinagar | Ghaziabad | Patna | Ranchi | Chandigarh
Guwahati | Hyderabad | Vizag
- 📞 **For Customer Support** ☎️ **1800 21 2001 786** 📱 **+91-9582122121**
For Sales Support ☎️ **1800 123 8786**
- ✉️ info@servokon.com

