Air Core Reactors

Shreem is pioneer in reactive power compensation and leading reactive power to the nation grid since 1976. Our wide ranges of products are designed to meet diverse energy needs. Innovative design, quality structure and exceptional technical specification make them lasting performers. We also provide agile after sales support to make sure they keep performing and resulting into high productivity to you.

Our continuous efforts have made us to bring world class products at your services.

Dry Type Air Core Reactors :

Shreem Electric limited manufactures Dry Type Air-core Series Reactors, Current limiting Reactors, Harmonic filter Reactors which are to be used in conjunction with capacitor banks. Reactors are designed using very latest technology and require little maintenance and are easy to install.

A deep commitment to the power industry, along with extensive investment in engineering, manufacturing and test capability give Shreem customers the utmost in high quality, reliable products which are individually designed for each application.

Our Comprehensive Offers :

Applications:

Air core reactors provides a linear response of impedance versus current which is essential to numerous applications. For both industrial environments and networks, Shreem offers a range of cost effective solution.

Inrush current limiting Reactors:

Reactors are designed for installation in series with a shunt connected capacitor bank to limit inrush currents due to switching, These reactors are low inductance value.

Current limiting Reactors:

These reactors are utilized basically to limit the short circuit current to the desired acceptance value, i.e to prevent the fault currents from rising value dangerous for the equipment.

Harmonic filter Reactors:

Important feature to produce capacitive reactive power at basic frequency and to filter out harmonics. Providing these reactors the harmonic current will flow into the filter and not into the network.

Design & Construction features of Air core dry type Reactors:

- Indoor/Outdoor application.
- Epoxy impregnated, fibreglass encapsulated construction.
- Aluminium/Copper winding as per customer specification.
- Highest mechanical and short circuit strength.
- Higher creepage insulators employed for all atmospheric protection.
- Low noise levels are maintained throughout the life of the reactors.
- Weatherproof construction, with minimum maintenance requirements.
- Designs available in compliance with IS/IEC and other major standard.

Advantages :

- Competitive pricing.
- Inductance tolerance as per IS/IEC or as per customer needs.
- Maintenance free and environmentally friendly.
- Conservative temperature rise for extended service life.
- Customized space saving solutions for installations in compact areas.
- Capability of offering complete package solutions through Shreem Group.

Technical Information :

- Dry insulated, air cooled, air-core reactors up to 132 KV system
- Single-phase or three phase reactors
- Aluminum OR Copper Conductor windings
- Provided with Support insulators and structures.
- Standards: IS 5553, IEC 60076 (Part-6) or other on request.
- Insulation class: F
- Thermal withstand Isc: 40kA
- Dynamic withstand: 100kA (peak value)

Testing :

All reactors are tested according to the relevant standards. The routine and type tests are performed with measuring system specially developed for this purpose. Tests comply with Indian standard IS, International standard such as IEC or equivalent.

Type test reports are available upon request.