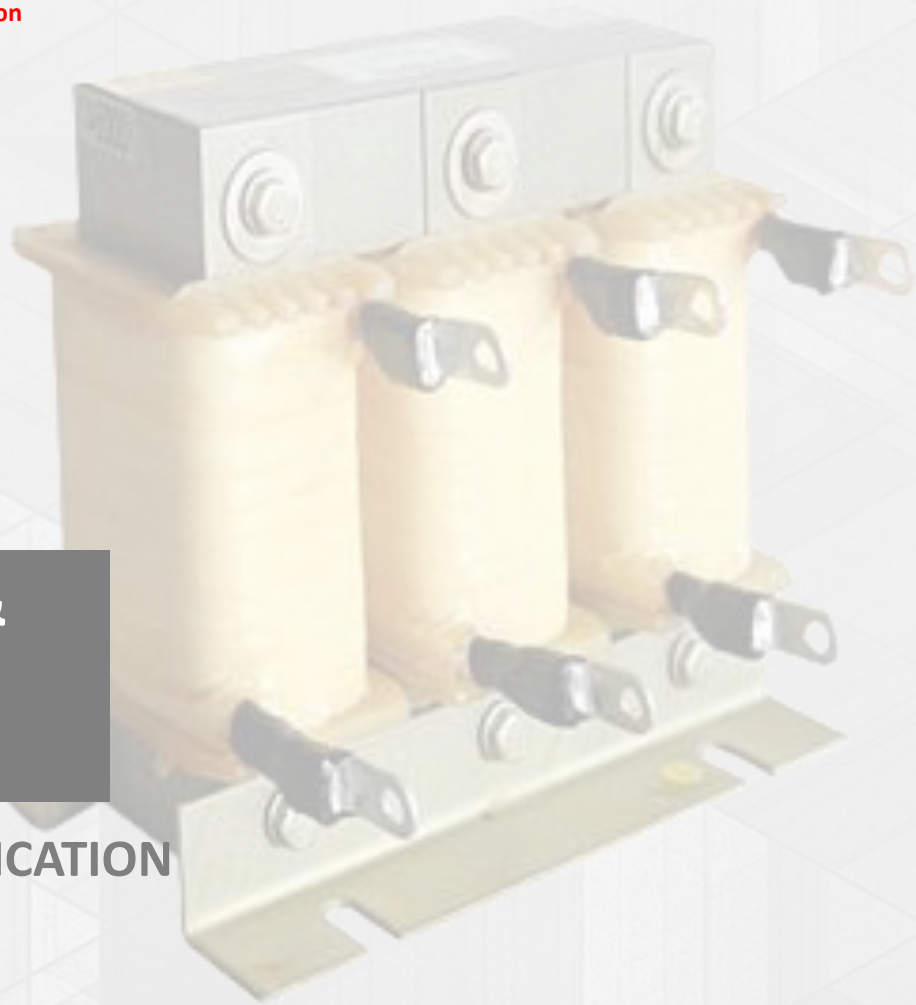




EPOXY HOUSE

Growth Through Innovation



LINE CHOKES & INDUCTORS

- LOW VOLTAGE APPLICATION

growth through

innovation...



ELECTRICAL CONTROLS & SYSTEMS

(UNIT - 4 HV DIVISION)

Plot No. 1409 & 1410 GIDC Waghodia,
Waghodia—Vadodara 391760
Gujarat—India.

www.epoxyhouse.com

Chokes and Inductors

It is suitable for use in different types of electrical circuits for blocking higher-frequency current (AC) and allowing to pass lower frequency current. There are insulated wires in the form of a coil wisely wound on a magnetic core as to increase the impedance with the frequency. Completely free from flickers, these chokes and inductors are installed in electronic appliances for an optimum voltage standard. In our range of chokes and inductors, we have AC reactor chokes, harmonic mitigation chokes, power line reactors, VFD line & load chokes and DC chokes.

Product Features

- Easy to install and easy to Move It can be mount Vertically or Horizontally
- Light in weight and compact in design and Customize structure as per application
- Available in single and three phases
- Maintenance free product and Excellent at on-run performance
- Improve the input current wave caused by capacitor harmonics.
- Reduce and prevent rectifier bridge damage and capacitors.
- Prevents Overheating due to a surge in current.
- Improve the power factor and reduce the AC pulse of the DC bus.
- Limit transient changes in system voltage
- Confirm to IS, IEC and Other International Standards as per customer's requirements
- Type Tested at NABL Approved testing institutes such as ERDA or CPRI

SINGLE PHASE & THREE PHASE LINE REACTORS



Product Range

Inductance Range	0.1uH to 500mH
Inductance Linearity	1.8 times of rated or higher or as per customer's requirement
Current Range	1Amp to 2500Amp
Insulation Class	Class H or Class F
Frequency	50Hz/ 60Hz
Cooling Type	Dry Type / Air Cooled
Conductor	Strips/Wires of Copper or Aluminum as per customer's requirement
Core	CRGO or CRNGO type



SINGLE & THREE PHASE FILTER REACTORS

Product Range

Inductance Range	0.1uH to 2.5H
Inductance Linearity	1.8 times of rated or higher or as per customer's requirement
Current Range	1Amp to 2500Amp
Insulation Class	Class H or Class F
Frequency	50Hz/ 60Hz
Cooling Type	Dry Type / Air Cooled
Conductor	Strips/Wires of Copper or Aluminum as per customer's requirement
Core	CRGO or CRNGO type
Seismic Requirement	Suitable for Locomotive or as per customer's requirement

Applications

- UPS & Solar inverters
- Power Quality Applications
- Protection of Motor Drives and Various adjustable speed drive systems.
- Harmonics Reduction
- Process Automation Equipment

Applicable Test (IEC-60310 -2016 Standard)

- Measurement of winding resistance.
- Measurement of inductance.
- Noise Measurement.
- Separate source voltage withstand test.
- Insulation resistance.

Type Test

- Lightning impulse test.
- Partial discharge.
- Determination of losses.
- Temperature rise.
- Measurement of inductance with linearity up to 1.1 time of rated current.

Special Test

- Shock and vibration test – Class B (Body Mounted).

Testing Facility

- The facilities are available to perform all the routine tests as per IEC -60310 – 2016 for inductors & reactors.
- Measurement of single & three phase partial discharge.
- In-house temperature rise facility upto 4000A.
- Impulse test facility upto 800kv.
- High Voltage facility upto 500kv.