



# MAGNETIC SPECIALTIES



## HARMONIC FILTER REACTOR

Harmonic filter reactors, also known as harmonic trap reactors, are inductors used in the filtering of harmonics in a power system with capacitors to prevent specific line frequencies from flowing back to the power source. These harmonics are typically caused by non-linear devices in the power system. We can design the harmonic filter reactor to a variety of fundamental frequencies and the accompanying harmonic content of your power system.

### FEATURES

- Single or three phase construction
- Single phase floating core design up to 125 kV BIL
- Single and three phase grounded core up to 110 kV BIL
- Magnetic Specialties core leg construction results in quiet construction.
- Core legs built with multiple small gaps to reduce core loss.
- Conservative design results in long life span
- Core and coil insulation designed for switching transients of 100% of the system line-neutral voltage across the coil to ground
- Core and coil designed for operation within specified harmonic spectrum
- Insulation Class 220C Insulation
- Aluminum or copper windings

### OPTIONAL

- Linear to customer specified overcurrent operation
- Temperature monitoring thermal switches, thermocouples, or platinum RTD's
- Final Test Reports with optional Certificate of Compliance

Contact us and we will partner with you to design a solution that works seamlessly in your application.

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 Made in the USA