Harmonic Solutions

HarmonicGuard® Active (HGA) Filter
• Save money and space: a single bus-applied HGA can correct harmonics for multiple loads
• Reduce current harmonic distortion to less than 5% allowing you to meet IEEE-519 specifications
• Easily monitor performance & remotely control the HGA with one of our communications options
• Patented Master - Master operation allows multiple filters to run in a more robust closed-loop mode

HarmonicGuard® Passive (HGP) Filter
• Meets IEEE-519 requirements by limiting current harmonic distortion to less than 5% with background voltage distortion as high as 5%
• Internal fusing prevents capacitor damage
• 100kA SCCR simplifies system acceptance
• Available with a wide range of options to suit any application
• Generator compatible

HarmonicShield® (HSD) Filter
• The HarmonicShield is TCI’s newest addition to our passive harmonic filter line.
• 5% iTHD Performance over a wide load range
• UL 508 Listed
• Available in UL Type 1 and Type 3R package
• 480V and 600V, up to 600 HP
• Optional contactor
• Available with or without lugs

KDR/KLR Line Reactor
• Extend your drive uptime by reducing the likelihood of the drive tripping
• Protect other equipment on the same bus from operational issues caused by voltage distortion
• Reduce overheating issues due to harmonic currents

Visit Us At:
www.transcoil.com
Power Factor Correction

**PF Guard™ Capacitor Bank**
- Automatic Cap Bank prevents leading power factor and reduces apparent power drawn from the utility
- Returns power factor to near unity
- Includes a detuning reactor to mitigate resonance issues

Motor Protection Solutions

**MotorShield™ Sinewave Output Filter**  
(for cable leads up to approximately 15,000 ft.)
- Protect your motor and cable runs by reduction of vibration and heat to improve system performance
- Protects older and non inverter duty motors from the harmful effects of voltage spikes caused by VFDs
- Reduce audible motor noise
- Ideal for protecting lead insulation in downhole pumping applications

**VIk dv/dt Output Filter**  
(for cable leads up to approximately 1,500 ft.)
- Extend the life of your motor and cable by reduction of harmful voltage spikes due to dv/dt
- Protect cable runs and reduce motor heating, noise and vibration
- Prevent motor failure with protection against motor insulation breakdown

High Frequency Noise Solutions

**KRF EMC Filter**
- Filter EMI/RFI noise caused by power switching devices
- Prevent interference between automated lighting circuits, security cameras, and other critical electronics on your system