



EP WAVEFORM CORRECTION TECHNOLOGY

EP's Patented Technology:

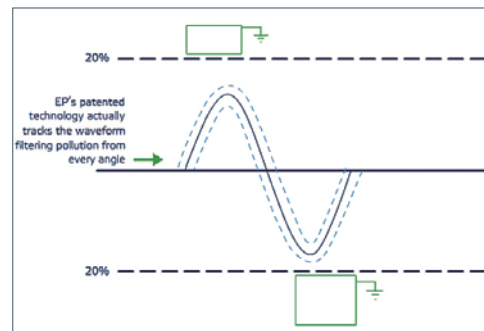
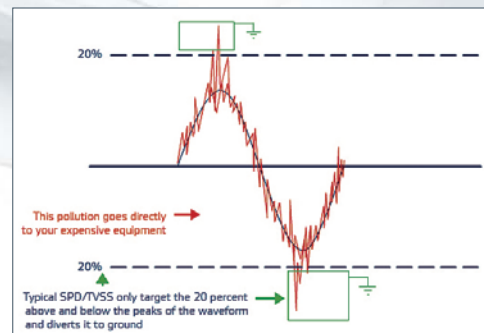
- Tracks and Removes distortions throughout the Waveform
- Constantly Removes Frequency Noise from Voltage and Current
- Integrates Surge Removal and Noise Filtration
- Converts Power Pollution into Heat
- Upgrades the Electrical Environment

The EP System Will:

- Increase the Lifespan of Electrical Equipment
- Increase the Performance of Electrical Equipment
- Prevent Disturbances in Computers, Controllers and Motors
- Prevent Malfunction and Downtime
- Reduce Operational Maintenance Costs
- Reduce Electrical Losses and Wasted Energy
- Remove Ground Loops

EP's Products Replace the Following:

- **SPD/TVSS-Shunts** energy to ground, creates current impulse on the phases.
- **Capacitive filters** – Discharge energy every half cycle. DC ripple content.
- **Line Reactors** – Create ground loops and use 60hz power and are in series.
- **Chokes** - create ground loops.
- **1:1 Isolation Transformers** – Use 60hz energy, are in series and are bypassed through the shielding termination to ground. Create ground loops.



Clean power is vital to the performance and productivity of your business. EP waveform correction technology is the Solution.



EP-2500 PROTECTION

- Removes, absorbs and dissipates transient voltage surges and spikes, high frequency noise and ring waves.
Frequency Attenuation: -20dB/decade roll-off starting at 1.5 kHz
- Max surge current: 80 kA per mode
- Operating Frequency: 45-65 Hz



EP-2000 FIELD PROTECTION

- Removes, absorbs and dissipates transient voltage surges and spikes, high frequency noise and ring waves.
Frequency Attenuation: -20dB/decade roll-off starting at 1.5 kHz
- Max surge current: 12.5 kA per mode
- Operating Frequency: 45-65 Hz



EP-2000 DIN RAIL PROTECTION

- Removes, absorbs and dissipates transient voltage surges and spikes, high frequency noise and ring waves.
Frequency attenuation: -20dB/decade roll-off starting at 1.5kHz



EP-2750 & EP-2775 GROUND FILTRATION

- Removes high frequency resonance in the grounding system.
- Allows for greater leverage of ground system to dissipate events.
- Adds filtering to prevent ground loops.
- Reduces the chance of equipment damage caused by near strike lightning
- Provides critical filtration in distribution systems where multiple shunt devices are present.

QUALITY CONTROL

Environmental Potentials understands our products are in your facility to increase productivity and protect expensive equipment. EP only uses top quality components and strives to exceed all industry standards in our manufacturing process to provide you with reliable and dependable performance. Every waveform corrector is subjected to a high pot and voltage test before it leaves the facility. In surge testing EP units have been hit more than 10,000 times with less than 2% degradation.

EP2800 MAIN GATE PROTECTION

- Operating Frequency: 45-65 Hz
- Max Surge Current: 320 kA per mode
- Available with customizable options including an audible alarm, surge counter, and performance additions.

The EP-2900 provides:

- The ultimate in lightning protection, featuring a 320 kA surge current rating in a modular design to meet any specification.
- -20 db/decade rolloff at 60 Hz
- Fault Current (SCCR): 320 kAIC

