

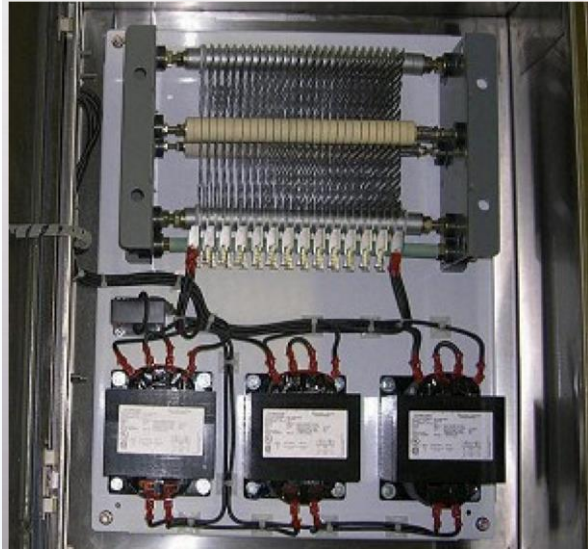








## PHASEBACK HARMONIC SILENCER



## EXTENDING MOTOR LIFE

The Silencer reduces harmonics extending the life of electrical loads. It is well established that a 10 degree C reduction in heat energy in electrical devices will double its life, this can be accomplished by a 5% reduction in harmonics. The Silencer provides reductions of harmonics and transient voltage spikes in the line of approximately 200 to 400% extending equipment life. This allows equipment to run production with less downtime and less maintenance dollars, so users will see the results directly on the bottom line.



## BENEFITS

- Voltage Stabilization
- Harmonic reduction
- Energy Consumption Reduction
- Extended Motor Life
- For WYE Power Systems
- No Solid State Components

## CONNECTING THE SILENCER

The Harmonic Silencer **connects in parallel with other loads on the line**, unlike conventional harmonic filters that rely on series connections, such as line reactors connected in series with the power entering a drive, chokes connected in series with the power leaving a drive, or inductors designed into the drive for smoothing current surges.

Available in several sizes based on the line harmonic content.  
Unit dimensions are based on size. Voltages tappable thru 600 Volts



## CONTACT INFORMATION

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[www.phaseback.com](http://www.phaseback.com)

## REQUEST A QUOTE

Harmonic Silencers are built to order, and are designed for your specific need. For a quote, go to our website and fill out our form, or call our offices to speak to an engineer about your issues.

## HOW TO BUY

The Silencer is the only Harmonic Filter that can withstand the most powerful surges without damage to itself or anything it protects.

The laws of physics do not change, but our understanding of them does; Harmonic Silencer works on a fundamental electromagnetic principle that reacts at the speed of current flow, is shock proof, vibration proof and works in the harshest conditions.

The Silencer has a Lifetime Warranty and has proved itself in the market for the past 12 years. Used by industries, factories, and the military, Harmonic Silencer has saved millions of dollars worth of equipment, and has even saved lives.



*On a recent renovation project, installing Applied Energy Equipment proved to be a significantly cost effective alternative to installing surge suppression devices on each of 58 electrical panels. Estimated cost avoidance \$100,000. In the restructuring of the company the installation was moved to a new location. The Applied Energy products were also moved eliminating the need to purchase new equipment adding to the savings. On this recent renovation project, installing one Phaseback and Silencer proved to be a significantly cost effective alternative to installing surge suppression or harmonic amp trap devices on each of 58 electrical panels. Estimated cost avoidance well over \$100,000.*

*The loads in this facility were fluorescent lighting and 1,000 computers and servers. After several years there were no damaged equipment from any internal or external sources of noise or lightning strikes. They have reported that there “was not even a blip on one computer screen”.*

See more testimonials, case studies and whitepapers on our website

[www.phaseback.com](http://www.phaseback.com)