Greenwave-SOLS Dirty Electricity Filters

Spectrum 2500-EF (European "Schuko" Filter)
Spectrum 2500-J (Switzerland Filter)

Greenwave-SOLS filters reduce the dirty electricity flowing along wiring in homes and other buildings.

Spectrum 2500-EF

Spectrum 2500-J

What Is Dirty Electricity?

The term "dirty electricity" refers to erratic spikes and surges of electrical energy traveling along power lines and building wiring, where only standard AC electricity should be. Dirty electricity is ONE of four types of EMF pollution now common in homes and other settings. It is also known as electrical noise, line noise, power line EMI (electromagnetic interference), and microsurge electrical pollution.

Dirty electricity is created by modern electronics, computers, appliances, energy-efficient lights, and other devices that run on electricity. Why? Because many of these devices no longer use standard AC electricity "as is." Instead, they must change or "manipulate" electrical current in one way or another to operate.

For example, many electrical devices today must convert standard 50/60-Hertz AC electricity (alternating current) into other forms of electricity [such as low voltage direct current (DC) or higher frequency AC] to operate. And, many devices now draw power from wiring intermittently, in short bursts or pulses rather than continuously, by turning the flow of power to a device "on" and "off" repeatedly, sometimes thousands of times per second.

These processes interrupt the smooth flow of standard AC electricity, creating harmonics and erratic spikes of electrical energy known as voltage transients. Once created, this unusable "dirty electricity" spreads throughout a building and even to other buildings via wiring, power lines, and other means. As it travels, dirty electricity may radiate potentially harmful electromagnetic fields (EMF) into environments where people live, learn, work, play, and more.

Dirty electricity can interfere with the proper functioning of appliances and electronic equipment, and more importantly, with natural electrical processes within the human body. Exposure to dirty electricity and other types of EMF pollution has been associated with a wide variety of health problems such as cancer, diabetes, asthma, sleep disturbances, fatigue, skin rashes, tingling sensations, allergy symptoms, headaches, muscle and joint pain, brain fog, memory loss, ADHD symptoms, depression, anxiety, and more. *(References available at www.bioinitiative.org)*

How Greenwave-SOLS Filters Reduce Dirty Electricity

Greenwave-SOLS filters utilize state-of-the-art electromagnetic interference (EMI) filtering technology to significantly reduce the harmonics and voltage transients present on the wiring in buildings. This is an effective and practical way to target this particular type of EMF pollution. The less dirty electricity there is flowing along building wires, the less that will radiate into your environment.

The filters plug directly into electrical outlets and power strips. They "short out" (shunt) erratic surges/spikes of electrical energy (i.e., dirty electricity), while allowing standard 50/60-Hertz AC electricity to pass through unimpeded.

Key Features of Greenwave-SOLS filters

- **Easy to use!**
  Simply plug the filters into electrical outlets and multi-socket power strips for immediate results.
- **Built-in outlet for plug-through convenience**
  Greenwave-SOLS filters include a built-in outlet at their base. You can plug electronics and other devices into the filters when you need an outlet to access power.
- **Safety certified and environmentally friendly**
  Greenwave-SOLS filters meet rigorous safety standards (i.e., CE and Intertek/SEMKO in Europe) and are RoHS compliant. RoHS standards restrict the use of specific hazardous materials (e.g., lead, mercury, cadmium, phthalates, and more) in electrical and electronic products.

Measuring the Effectiveness of Greenwave-SOLS filters

Many people want to know how effective Greenwave-SOLS filters are at reducing the dirty electricity flowing along electrical wiring in their homes and other places. This is easy to measure with a plug-in dirty electricity meter, such as the *Greenwave Broadband EMI Meter* shown here.

Greenwave's meter is easy to use. Simply plug it into electrical outlets to find out how much dirty electricity is present on nearby wiring. The meter can show "BEFORE filter" and "AFTER filter" measurements on the same screen simultaneously, making comparisons easy.

The meter is also an excellent tool for guiding the installation of Greenwave-SOLS filters. It can help you identify significant sources of dirty electricity in your environment and determine the best number of filters to install in each room and in which outlets for optimal results. It can also help you identify and troubleshoot problems, such as resonance, that can occasionally occur during installation.

IMPORTANT NOTE:
There are 4 different types of EMF pollution now common in homes and other settings: 1) 60 Hz AC electric fields, 2) 60 Hz AC magnetic fields, 3) radio frequency (RF) radiation, and 4) dirty electricity. Different types of EMF pollution typically require different measurements tools. Most consumer-level meters for measuring AC electric fields, AC magnetic fields, and radio frequency (RF) radiation are NOT effective instruments for measuring dirty electricity or the effectiveness of dirty electricity filters.

Getting the Most from Greenwave-SOLS filters

To achieve the full benefit of Greenwave-SOLS filters, it is best to install them throughout your environment. The number of filters needed will depend on the size of the building or space where you want to install them (e.g., # of rooms), the type of electrical supply to your home or building, and the concentration of electronics, appliances, energy-efficient lights, and other electrical devices in each room. It will also be influenced by the amount of dirty electricity entering your environment's electrical system from outside sources (via power lines and wiring).

- In **European homes**, 1 - 2 filters are generally needed to reduce dirty electricity in a medium-sized room. Rooms with a high concentration of electronics, appliances, energy-efficient lights, and other electrical devices may require more than 2 filters (e.g., 3 or 4). A total of seven to 10 filters is typically needed to reduce dirty electricity to reasonable levels in an average-sized home. **Be sure to consult the suggested *European General Installation Guidelines* to determine the suggested number of filters for your home.**
- **European workplace settings** generally require 1 filter for every 10 square meters and a few more if dirty electricity levels are high.
- **European schools** usually need 1 - 3 filters per classroom.

Please keep in mind that these are estimates and meant to provide a good starting place for thinking about the number of filters you will need. For the best accuracy, a Greenwave Broadband EMI meter is suggested. If you would like additional help determining your filter needs, please contact us at customerservice@greenwavefilters.com.

Keep reading for information about installing Greenwave-SOLS filters in homes and other buildings.

Suggested European General Installation Guidelines

There is great variation in internal electrical wiring across Europe, from country to country and even within the same country, with homes and flats having different electrical power supplies. There will also be some variation from home to home, based on the types of electronics and electrical devices present, as well as other factors, such as solar power, power source in building, etc.

USE THE CHART BELOW TO DETERMINE THE SUGGESTED NUMBER OF FILTERS FOR YOUR SITUATION. To use the chart, you will need to know the type of electrical power supply to your home (Single Phase/Tri-Phase and 3, 6 or 10 KW). You can get this information by looking at your home's electric meter or your electric bill. You can also call your electricity provider's customer service department. They will be able to tell you the type of power supply you have.

Type of Electrical Power Supply	Number of Circuit Lines for the Entire House/Flat	Number of DE Filters per Circuit Line	Total Number of DE Filters Suggested (To be distributed coherently throughout the house)	Maximum Number of DE Filters *
SINGLE PHASE **3 KW**	**1**	**3-4**	**3-4**	**4**
SINGLE PHASE **3 KW**	**2 OR MORE**	**2-3**	**4-6**	**6**
SINGLE PHASE **6 KW**	**2**	**2-3**	**4-6**	**6**
SINGLE PHASE **6 KW**	**3**	**2-3**	**6-9**	**9**
SINGLE PHASE **6 KW**	**4 or more**	**2-3**	**8-10**	**10**
SINGLE PHASE **10 KW**	**3 or more**	**2-3**	**6-15**	**15**

Type of Electrical Supply-Power	Number of Circuit Lines for the Entire House/Flat	Number of DE Filters per Circuit Line	Total Number of DE Filters Suggested (To be distributed coherently throughout the house)	Maximum Number of DE Filters *
TRI- PHASE **LESS THAN 10 KW**	**- - -**	**2-3**	**6-12**	**12**
TRI- PHASE **10 KW**	**- - -**	**2-3**	**As determined**	**- - -**

* Do NOT install more than the maximum number of dirty electricity (DE) filters suggested for the type of electrical power supply and the total number of circuit lines in your home/flat.

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Installing Greenwave-SOLS Filters

Please read these installation instructions and the "Product Disclaimer and Customer Satisfaction Guarantee" in their entirety BEFORE installing your Greenwave-SOLS filters.

Special Safety Note

Greenwave recommends that Greenwave-SOLS Dirty Electricity Filters and the EMI Broadband meter only be used and installed by capable adults who have read and understand the use and installation directions. Filters and meters may be used by children 13 years and above and persons with reduced physical, sensory, or mental capabilities as long as these individuals have been given supervision or instruction concerning the safe use of the filters/meter and clearly understand the hazards involved. Children should NOT play with the filters/meter and should NOT clean or maintain them in any way without supervision.

STEP ONE - *Check for wiring errors.*

Prior to installing Greenwave-SOLS filters, we recommend testing the electrical outlets in your environment for wiring errors. **To test for BASIC wiring errors, you can use an outlet (receptacle) tester to check EACH outlet prior to plugging in Greenwave-SOLS filters.** These testers are inexpensive and can be purchased at most hardware stores.

If any wiring errors are found, please contact an electrician to correct the error(s) before installing filters. Wiring errors can cause electrical hazards in homes and other settings and can also create elevated AC magnetic fields in buildings. These magnetic fields can be amplified when any electrical devices, including Greenwave-SOLS filters, are plugged into outlets and operating on circuits affected by the wiring errors.

STEP TWO - *Install your filters.*

For best results, we recommend using a plug-in dirty electricity meter, such as the *Greenwave Broadband EMI Meter*, to guide installation. This type of meter plugs directly into electrical outlets and measures the amount of dirty electricity present on nearby wiring. It can show how much dirty electricity Greenwave-SOLS filters reduce from your wiring and can help you determine the best number of filters to install in each room and the best combination of outlets to choose for installation. It can also help you identify and troubleshoot problems, such as resonance, that can occasionally occur during installation.

IMPORTANT NOTE:
There are 4 different types of EMF pollution now common in homes and other settings: 1) 60 Hz AC electric fields, 2) 60 Hz AC magnetic fields, 3) radio frequency (RF) radiation, and 4) dirty electricity. Different types of EMF pollution typically require different measurements tools. Most consumer-level meters for measuring AC electric fields, AC magnetic fields, and radio frequency (RF) radiation are NOT effective instruments for measuring dirty electricity or the effectiveness of dirty electricity filters.

If you plan to use a *Greenwave Broadband EMI Meter* to help guide filter installation, please refer to *Greenwave's Meter Instructions* before plugging filters into outlets or power strips. (These instructions will explain how to use the meter when installing filters.)

If you will NOT be using a plug-in dirty electricity meter to guide filter installation, proceed by plugging filters into electrical outlets and power strips.

For BEST results, we recommend installing filters throughout your home and/or other spaces where you spend significant time.

The remaining pages provide some special tips to consider as you install filters in your environment and important information about the built-in outlet in Greenwave-SOLS filters.

Voltage and Amperage Specifications

The table below shows the voltage and amp specifications for each Greenwave-SOLS European filter model. The model number for your filters is shown on the back label of the filters.

Filter Model	Appropriate Voltage Range	Maximum Amps	NOTES
Spectrum 2500-EF	AC 220V – 240V	Up to 16A (@ 40C)	Spectrum 2500-EF filters are designed for use in European countries and other areas around the world with Type E or Type F electrical sockets. Do NOT plug Spectrum 2500-EF filters into electrical outlets with voltage outside the 220V – 240V range or an amp rating higher that 16A. Also, do NOT use the built-in outlet in these filters with devices that will draw more than 16A of electrical current. *
Filter Model	**Appropriate Voltage Range**	**Maximum Amps**	**NOTES**
Spectrum 2500-J	AC 220 V – 240V	Up to10A (@ 40C)	Spectrum 2500-J filters are designed for use in Switzerland and other countries with Type J electrical sockets. Do NOT plug Spectrum 2500-J filters into electrical outlets with voltage outside the AC 220 – 240V range or an amp rating higher than 10A. Also, do NOT use the built-in outlet in these filters with devices that will draw more than 10A of electrical current. *

* The maximum amount of electrical current (i.e., amps) that a device will draw from an outlet is typically listed on the label of the device.

Approximate Number of Filters Needed

European Homes:

Type of Room	Number of Filters
Kitchen, Family Room, Living Room, Media Room, Home Office Rooms with a high concentration of electronics, fluorescent light bulbs or tubes, light dimmer switches, and/or appliances and other devices with transformers or motors may require 2 or more filters.	**1 – 2 filters** **(each location)**
Bedroom, Dining Room, Laundry Room	**1 filter** **(each location)**
Bathroom, Walk-in Closet	**1 filter** **(each location)**
Basement, Garage, Tool Shed	**1 filter for every 15 square meters**

European Workplace Settings: 1 filter for every 10 square meters and a few more if dirty electricity levels are high

European Schools: 1 - 3 filters per classroom

Special Installation Tips

- Do NOT plug Greenwave-SOLS filters into electrical outlets that are incompatible with the voltage (V) or amp (A) specifications shown on the back label of the filters. (See the table of voltage and amp specifications within these instructions for more details.)
- European filters are certified specifically for the European electrical standard, and European filters should only be used per proper usage guidelines as outlined in these instructions.
- Install filters as close as possible to known sources of dirty electricity, *for example:* computers, printers, cordless phones, TVs, video game consoles, Wi-Fi systems, fax machines, copiers, scanners, and other electronic equipment; light dimmer switches; fluorescent and compact fluorescent lights; SMART meters; and appliances/devices with variable- speed motors such as blenders/mixers and hair dryers. (Installing additional filters in outlets near computers, printers, cordless phones, TVs, video game systems, and other similar electronic equipment is recommended.)

- When possible, install at least 1 filter near the main electrical panel in your home. (This is the point where electricity enters your home from neighborhood power distribution lines.) This will help reduce the amount of dirty electricity that enters your home's electrical system from outside sources.

- To minimize exposure to electromagnetic fields (EMF), it is generally advisable to plug electronics of ALL kinds, including Greenwave-SOLS filters, into outlets that are located at least 1/3 to 1 meter away from specific locations where people stand, sit, or recline for extended periods of time (*for example:* beds, office chairs, couches, easy chairs, etc).

  All electronics emit a localized AC magnetic field when operating. The strength of the field and the distance it will extend from the electronic device will depend upon the particular device in question. Fortunately, these localized AC magnetic fields generally decrease back down to ambient levels within 1/3 to 1 meter of their sources. The AC magnetic field emitted by a Greenwave-SOLS filter, for example, will typically decrease to ambient levels within 15 - 30 centimeters of the filter.

- If possible, avoid plugging a Greenwave-SOLS filter into an outlet controlled by a light switch. If the switch is turned off, the filter will be unable to do its job. If you need to plug a filter into a switch-controlled outlet, remember to leave the switch turned on.

- Plug-in dirty electricity filters are not always compatible with solar energy systems and the storage back-up units they use. Check with your solar system manufacturer before installing Greenwave-SOLS filters.

- Greenwave-SOLS filters and other dirty electricity filters that utilize capacitance technology should NOT be used in buildings being powered by a generator (for example during power outages). If you have a generator to provide electricity during power outages or at other times, make sure to UNPLUG your Greenwave-SOLS filters while the generator is operating. You can plug them back in when power to the grid has been restored and the generator is no longer running.

- Greenwave-SOLS filters are 'passive.' Installing them should not increase actual electrical consumption in your environment. The current is orthogonal to the voltage field (i.e. 90 degrees), therefore, current from the filters is out of phase with voltage and does not create electrical consumption.

Plug-Through Technology (Built-In Outlet)

Most Greenwave-SOLS filters include a built-in outlet at their base for plug-through convenience. When you need an outlet, most electronics and other devices can be plugged into Greenwave-SOLS filters to access power to run. Keep the following in mind when using the built-in outlet in Greenwave-SOLS filters:

- The built-in outlet in the filters can be used ONLY when the filters are plugged into outlets that are compatible with the voltage (V) and amp (A) specifications shown on the back label of the filters and ONLY with devices that are also compatible with these specifications. See the table of voltage and amp specifications within these instructions for more details.

- Some battery-charging devices may not be compatible with the high capacitance technology employed by dirty electricity filters. For this reason, we recommend that you do NOT plug battery chargers, back-up power supplies, and electric devices that include built-in chargers (such as electric toothbrushes and shavers) into the built-in outlet of Greenwave SOLS filters or into the same wall outlet or power strip as Greenwave-SOLS filters.

Trouble Shooting Possible Installation Problems

I plugged a filter into an outlet and it started to buzz. Is there a problem?

This usually means the filter is overloaded. In other words, there is more dirty electricity on nearby wiring than the filter can reduce sufficiently on its own. This problem can usually be resolved by installing another filter in the same outlet (using an electrical tee or power strip) or an additional 1 to 2 filters in nearby outlets or power strips. If the buzzing doesn't stop after installing additional filters, contact Greenwave.

I saw a small spark and heard a popping sound as I plugged in a Greenwave filter. Is this normal?

Yes, this is normal as electrical energy "loads into" the capacitor technology used by the filters. It is not dangerous to you, your Greenwave-SOLS filters, or other equipment you have plugged into outlets. Greenwave-SOLS filters undergo rigorous safety testing and are safety certified.

When disconnecting a filter, it may take a few seconds for small accumulations of electrical charge to completely discharge from the filter. It is advisable to avoid touching the plug on the filter for a few moments after removing the filter from the outlet.

I plugged a filter into an outlet in my kitchen and the dirty electricity reading on my Greenwave meter went up rather than down. What should I do?

This is unusual, but does occur on occasion. First, use an outlet (receptacle) tester to check the outlet for the following basic wiring errors: open ground, open neutral, open hot, hot/ground reverse, and hot/neutral reverse. If any of these wiring errors exists, we recommend contacting an electrician to repair it. If none of these errors is present, the trouble may be resonance or a shared neutral wire between the sockets in the outlet. (NOTE: Occasionally, the two receptacles (sockets) in an outlet are fed by different circuits, but share a neutral connection. This tends to be more common in kitchens than other rooms, and is not an ideal wiring configuration. You may want to talk with an electrician about rewiring the outlet.)

When installing filters, we recommend skipping this outlet and moving to the next outlet in the room.

Greenwave-SOLS Filter Disclaimer and Customer Satisfaction Guarantee

Our goal at Greenwave International is to reduce the overall level of dirty electricity (a.k.a. electrical noise, line noise, power line EMI, microsurge electrical pollution) on the wiring in buildings where people spend significant amounts of time (e.g., homes, schools, businesses). Greenwave-SOLS filters target erratic electrical energy (i.e., harmonics and voltage transients) on building wiring, which is one potential source of RF radiation in buildings. They do NOT eliminate the extremely low frequency (AC 50/60Hz) electric and magnetic fields emitted from wiring, cords, and electrical devices, and do NOT filter ambient ELF, RF, or microwave frequencies directly from the air. While some scientists have shown improvements in health when dirty electricity is reduced in buildings and many individuals have reported such benefits anecdotally, Greenwave cannot guarantee health improvements from the installation of Greenwave-SOLS filters.

It is important to test the electrical circuitry of a building for wiring errors before installing any sort of electronics and other electrical devices, including Greenwave-SOLS filters. We advise that you check for wiring errors and correct any problems identified before installing these filters. Wiring errors can cause electrical hazards in homes and other settings and can also create elevated AC magnetic fields in buildings. These magnetic fields can be amplified when any electrical devices, including Greenwave-SOLS filters, are plugged into outlets affected by the wiring errors.

We also recommend that you plug electronics and other devices (including Greenwave-SOLS filters) into outlets or power strips that are at least 1/3 to 1 meter from beds, desks and chairs, and other places where you or others are stationary for extended periods of time.

Do NOT plug Greenwave-SOLS filters into electrical outlets that are incompatible with the AC voltage (V) or amp (A) specifications shown on the back of the filters. Doing so may damage the filters and will void the filter warranty and 60-day money-back guarantee. If your electrical system uses direct current (DC) rather than alternating current (AC), please contact Greenwave before purchasing or installing filters.

Greenwave-SOLS filters deploy capacitance technology to "short out" (shunt) dirty electricity traveling along the wiring in buildings. Some battery-charging devices may not be designed to work with high capacitance technologies. Therefore, battery chargers, back-up power supplies, and electric devices that include built-in chargers (such as electric toothbrushes and shavers) should not be plugged into the same wall outlets or power strips as Greenwave-SOLS filters. Similarly, these items should not be plugged directly into Greenwave-SOLS filters that include an outlet at their base. In addition, Greenwave-SOLS filters are not always compatible with solar energy systems and the storage back- up units they use. You should always check with your solar system manufacturer before buying and installing Greenwave-SOLS filters.

Greenwave-SOLS filters and other dirty electricity filters that utilize capacitance technology should NOT be used in buildings being powered by a generator (for example during power outages). If you have a generator to provide electricity during power outages or at other times, make sure to UNPLUG your Greenwave-SOLS filters while the generator is operating. You can plug them back in when power to the grid has been restored and the generator is no longer running.

For Greenwave-SOLS filters that include a built-in outlet at their base:

The built-in outlet in Greenwave-SOLS filters can be used ONLY when the filters are plugged into outlets that are compatible with the voltage (V) and amp (A) specifications shown on the back label of the filters and ONLY with electrical devices that are also compatible with these specifications. (See table of voltage and amp specifications provided earlier in this document for details.) Also, as mentioned above, do NOT plug battery chargers, back-up power supplies, or electric devices that include built-in chargers (such as electric toothbrushes and razors) into the outlet at the base of a Greenwave filter. Doing any of the above may damage the filters and will void the filter warranty and 60-day money-back guarantee. Additionally, some battery back-up systems and electrical devices that include built-in battery chargers will not charge properly or fully when they are plugged into or near a Greenwave-SOLS filter.

Greenwave, and any of its global distributors, are not responsible for inappropriate use of Greenwave-SOLS filters and meters, when used outside of directions and parameters provided with the product installation and use guidelines.

Greenwave SOLS filters are backed by a three (3) year Limited Warranty (from the time of initial purchase) against manufacturing defects in material or workmanship. In the unlikely event of a manufacturing defect, consult the Warranty Information for Greenwave-SOLS Dirty Electricity Filters.

If you are not completely satisfied with Greenwave SOLS filters, you may return them to Greenwave within 60 days of purchase for a refund or credit. A 5% restocking fee may be imposed on returns, unless the return is due to a manufacturer defect in the product or a shipping error.

If you have questions about installing your Greenwave-SOLS filters, Please contact us at customerservice@greenwavefilters.com.

Greenwave-SOLS Dirty Electricity Filters

INSTALLATION SUMMARY

General Instructions

- Before installing filters, we recommend testing all outlets for wiring errors. Repair wiring errors before installing filters.
- If NO wiring errors are found, proceed by plugging filters into outlets.

Installation Tips

- Consult the *European General Installation Guidelines* to determine the suggested number of filters for your home or office based on your type of power supply and total number of circuit lines.
- Do NOT plug Greenwave-SOLS filters into electrical outlets that are incompatible with the voltage (V) or amp (A) specifications shown on the back label of the filters. (See the table of voltage and amp specifications provided in the full instruction packet for more details.)
- Install filters as close as possible to known sources of dirty electricity. Installing additional filters in outlets near computers, printers, cordless phones, TVs, video game systems, and other similar electronic equipment is recommended.
- Install at least 1 filter near the main electrical panel in your home.
- Whenever possible plug Greenwave-SOLS filters (and other electrical devices) into outlets that are at least 1/3 to 1 meter from locations where people stand, sit, or recline for extended periods of time.
- If you want or need to plug a Greenwave filter into a switch-controlled outlet, leave the switch turned on so the filter can operate.
- Check with your solar system manufacturer before installing Greenwave-SOLS filters. (Plug-in dirty electricity filters are not always compatible with solar energy systems and the storage back-up units they use.)
- Greenwave-SOLS filters and other dirty electricity filters that utilize capacitance technology should NOT be used in buildings being powered by a generator (for example during power outages). If you have a generator to provide electricity during power outages or at other times, make sure to UNPLUG your Greenwave-SOLS filters while the generator is operating. You can plug them back in when power to the grid has been restored and the generator is no longer running.

Using the Built-In Outlet

- Only use the built-in outlet in Greenwave-SOLS filters when the filters are plugged into outlets that are compatible with the voltage (V) and amp (A) specifications shown on the back label of the filters and ONLY with electrical devices that are also compatible with these specifications. (See the table of voltage and amp specifications provided in the full instruction packet for more details.)
- Do NOT plug battery chargers, back-up power supplies, and electric devices that include built-in chargers (such as electric toothbrushes and shavers) into the built-in outlet of Greenwave-SOLS filters or into the same wall outlet or power strip as Greenwave-SOLS filters. (Some battery-charging devices are not compatible with the high capacitance technology employed by dirty electricity filters.)

Refer to Greenwave's full instruction packet for additional details about installing Greenwave-SOLS filters and troubleshooting possible problems.

Special Safety Note

Greenwave recommends that Greenwave Dirty Electricity Filters and the EMI Broadband meter only be used and installed by capable adults who have read and understand the use and installation directions. Filters and meters may be used by children 13 years and above and persons with reduced physical, sensory, or mental capabilities as long as these individuals have been given supervision or instruction concerning the safe use of the filters/meter and clearly understand the hazards involved. Children should NOT play with the filters/meter and should NOT clean or maintain them in any way without supervision.

Greenwave® International
WARRANTY INFORMATION

Greenwave offers a three (3) year Limited Warranty for **Greenwave-SOLS Dirty Electricity Filters** (from the time of initial purchase) against manufacturing defects in material or workmanship.

This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, accident, neglect, exposure to excess moisture, fire, lightning, power surges, or other acts of nature. To maintain the device warranty, the filter must be used in accordance with the manufacturer's stated instructions for installation of the filter(s).

Greenwave will repair or replace, at its discretion, any filters meeting these limited warranty conditions that are found to be defective within the scope of normal and appropriate use and are within the three (3) Year Limited Warranty period.

Warranty claims must include receipt of purchase to validate warranty. To file a warranty claim, contact Greenwave at customerservice@greenwavefilters.com.

Disposal Guidelines

Greenwave Dirty Electricity (EMI) meters and filters include electronic components, and therefore, should NOT be thrown away as part of your unsorted municipal waste (i.e., regular trash).

Instead, the meters and filters should be taken to a location that can handle the proper treatment, recycling, or environmentally sound disposal of electronic/electrical equipment. (For example, in many European countries, you can take old electronics and other electrical equipment to a local WEEE collection point.) If you are not sure where to take your old filters, please contact Greenwave for help.

By disposing of your old Greenwave meter and filters properly, you are helping protect the environment, human health, and raw material supplies, and maintain sustainable development.

(NOTE: The estimated lifespan of Greenwave-SOLS filters (i.e., the mean time before failure) is approximately 200,000 hours, which is ~ 22.8 years.)

Greenwave® International
RETURN POLICY

If you are not completely satisfied with **Greenwave-SOLS filters** purchased from Greenwave, you may return them within 60 days of purchase for a refund or credit. The **Greenwave Broadband EMI Meter** may be returned only due to manufacturer defects.

Restocking Charge:

A 5% restocking fee may be imposed on all returns, unless the return is due to a manufacturer defect in the product(s) or a shipping error.

Return Shipping Charges:

The customer is responsible for return shipping charges, unless the return is due to a manufacturer defect in the product(s) or a shipping error.

Return Shipping Requirements:

- An original invoice/receipt must accompany all returns.
- Return products MUST be wrapped/protected in bubble wrap and sturdy packaging similar to that in which they were received.
- Returns will be accepted only if they are undamaged and in saleable condition, unless the return is due to a manufacturer defect in the product(s).
- Return shipments MUST be able to be tracked. Contact Greenwave via email with a tracking number for your return shipment.

  customerservice@greenwavefilters.com

Returns Due To Product Defects or Shipping Errors:

For defective products or shipping errors, contact Greenwave at customerservice@greenwavefilters.com. In these cases, Greenwave will cover return shipping charges with advance authorization of shipment.