

PLASMA^{MADE}[®]

Absolute Science



E-Filters

www.plasmamade.com



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After years of development, PlasmaMade[®] entered the market in 2013 with an innovative recirculation filter, specially made for extractor hoods in the kitchen industry. In contrast to existing recirculation systems, this plasmafilter with E-technology has a significantly longer life and filters a range of air contaminants. Over the years, PlasmaMade[®] has developed a diverse range, which means that a filter solution is now available for almost every extraction unit.



Why a PlasmaMade[®] E-Filter?

Most kitchens use outdoor extraction or carbon filters to remove cooking odours. These are solutions that are costly and unsustainable in the long term. The PlasmaMade[®] E-Filter is a revolutionary plasmafilter with E-technology that offers a solution to these problems. The table below shows a comparison between a PlasmaMade[®] E-Filter, regular recirculation filters and outdoor extraction.

PlasmaMade[®] E-Filter

- ✚ Filters odours, allergens, microorganisms and particulate matter
- ✚ Recirculates the air
- ✚ Easy to install
- ✚ Active filter technique, lasts 10-15 years
- ✚ Available for almost every extraction unit
- ✚ Cheaper in the long term

General recirculation filters

- ✖ Filters odours
- ✚ Recirculate the air
- ✚ Easy to install
- ✖ Passive filters, last ½ to 1 year
- ✚ Available for almost every extraction unit
- ✖ Costly due to recurring filter replacement

Outdoor exhaust vent

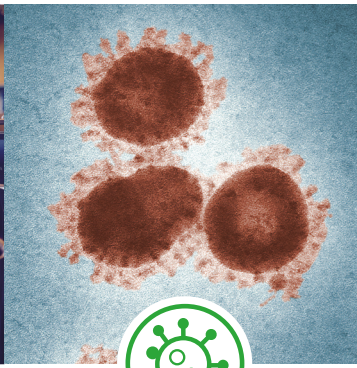
- ✚ Removes cooking fumes
- ✖ Removes indoor air, thus increasing heating costs
- ✖ Costly and complicated installation
- ✚ Completely expels air, so no maintenance
- ✖ Depends on kitchen and drainage options
- ✖ Costly installation and increased heating costs

The usage of a PlasmaMade® E-Filter



Odours

With the help of our plasma technology, all types of odours and volatile organic compounds (VOCs) are broken down.



Microorganisms

Bacteria, fungi, pathogens and other microorganisms are taken from the air and neutralized.



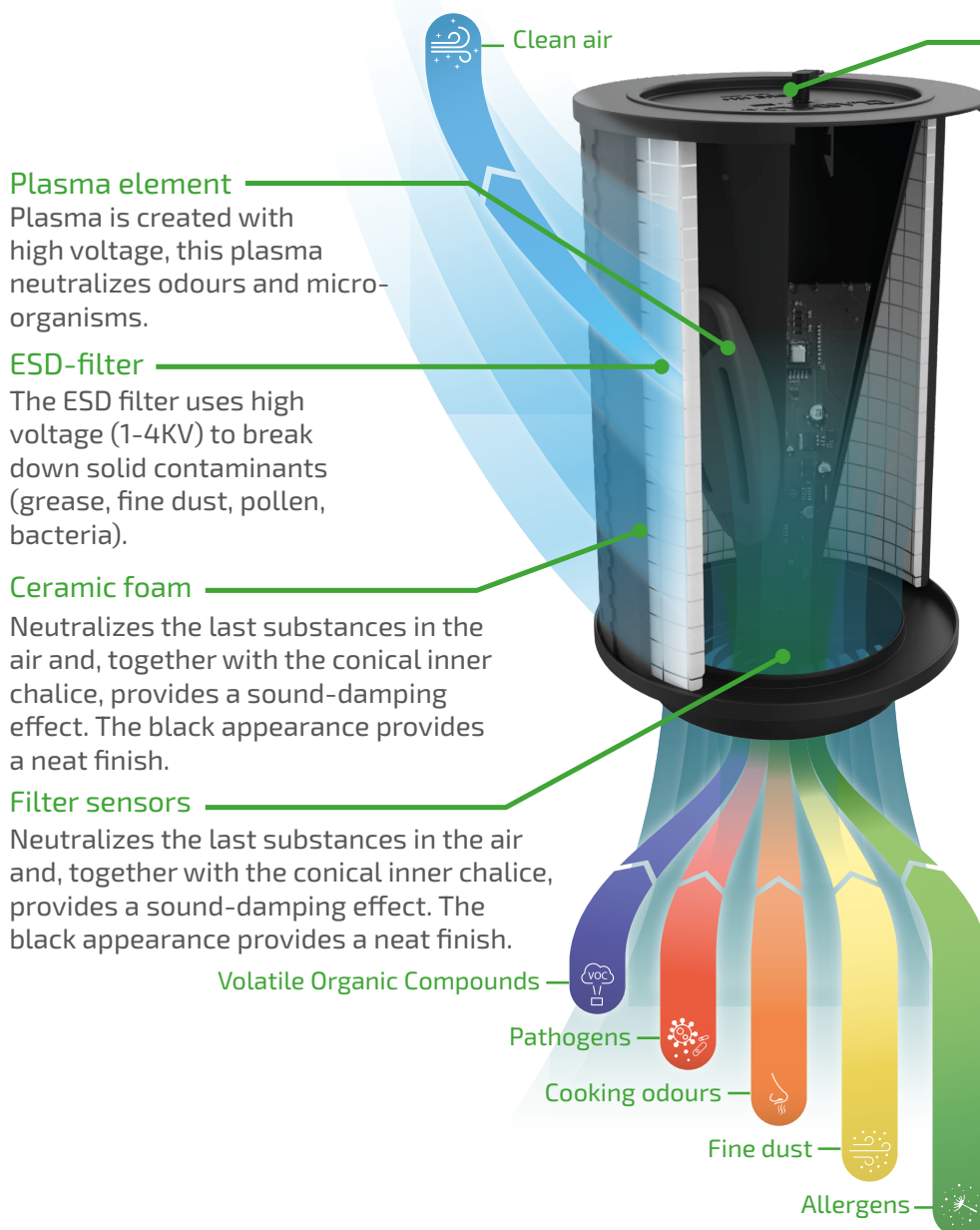
Allergens

An E-Filter helps with respiratory complaints such as asthma and bronchitis, and against pollen, dust mites and pet allergies.



Particulate matter

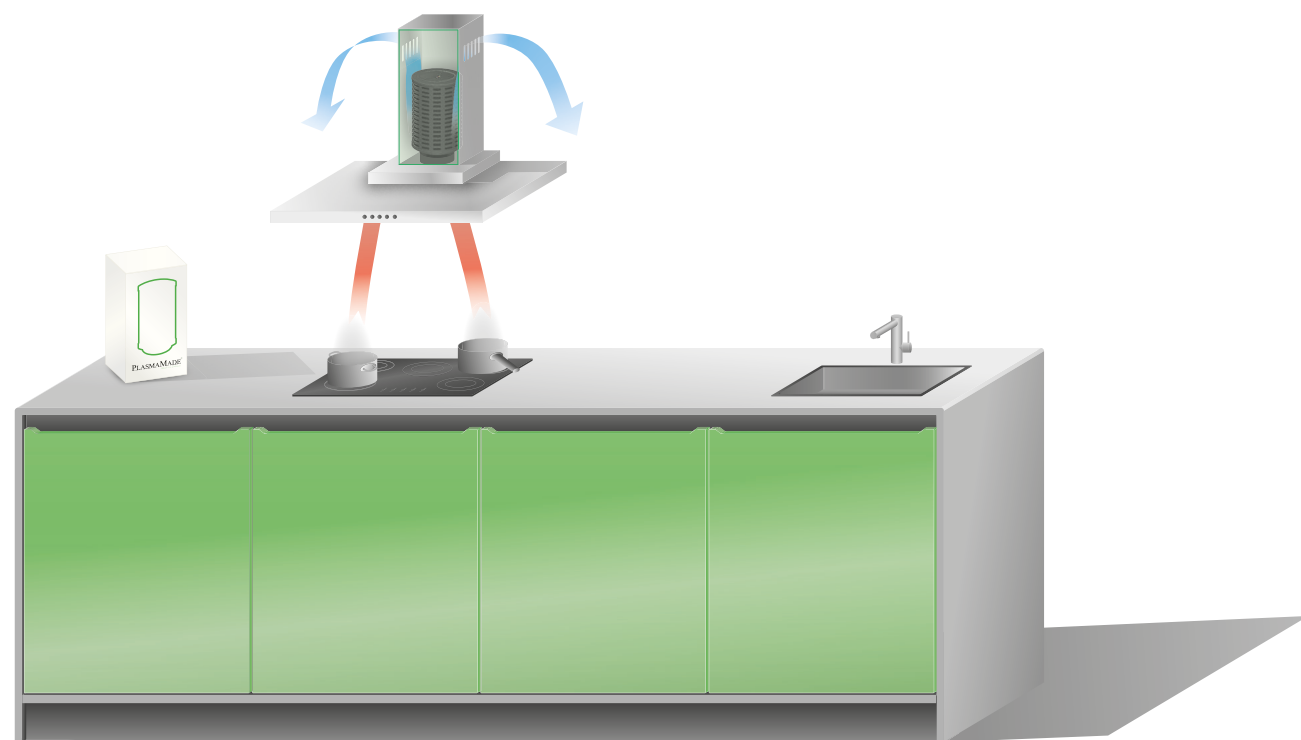
Suspended particulate matter such as aerosols, smoke and dust, are filtered and neutralized.



- 12v jack plug connection.
- 2x control light.
- DIN connection external communication.

The technique of a PlasmaMade® E-Filter

The PlasmaMade® E-Filter is the result of years of testing and development. The filter uses advanced and patented techniques to remove contaminants from the air. In the first filter layer plasma is processed by means of high voltage, this plasma reacts with odours and micro-organisms and breaks them down into separate, harmless substances. The second layer of the filter uses a glass fiber layer to collect solid contaminants after which they are broken down with electrostatic discharge (ESD). After this filtering process no substances remain in the filter, so that the efficiency of the filter does not decrease and the filter has a lifespan of 10 to 15 years.



Extractor hood

For use in combination with most types of extraction units above the stove.

GUC1212 600m³/h



Filter technology:	Plasma and ESD
Inlet diameter:	ø100 / ø150 mm
Power consumption:	8 Watt
Weight:	0.75 kg
Dimensions:	ø180 x 195 mm
Lifespan:	10 to 15 years
Warrenty:	5 years (after reg.)
Certification:	CE

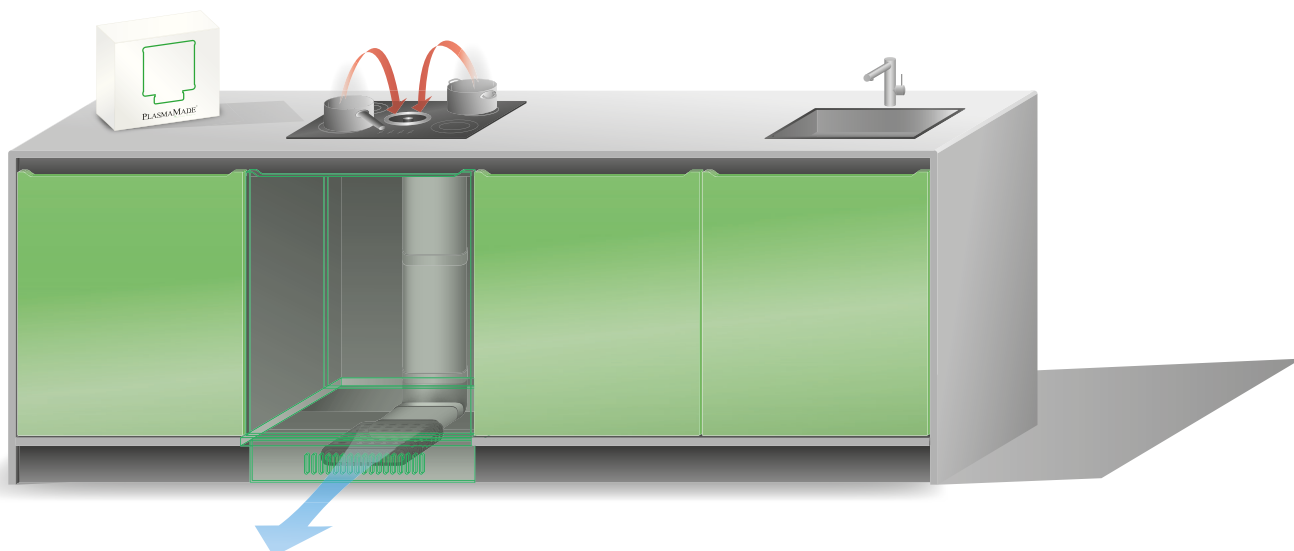
GUC1214 1000m³/h



Filter technology:	Plasma and ESD
Inlet diameter:	ø150 mm
Power consumption:	8 Watt
Weight:	1.55 kg
Dimensions:	ø210 x 300 mm
Lifespan:	10 to 15 years
Warrenty:	5 years (after reg.)
Certification:	CE

Find out which filter is right for you:

www.plasmamade.com/filter-finder



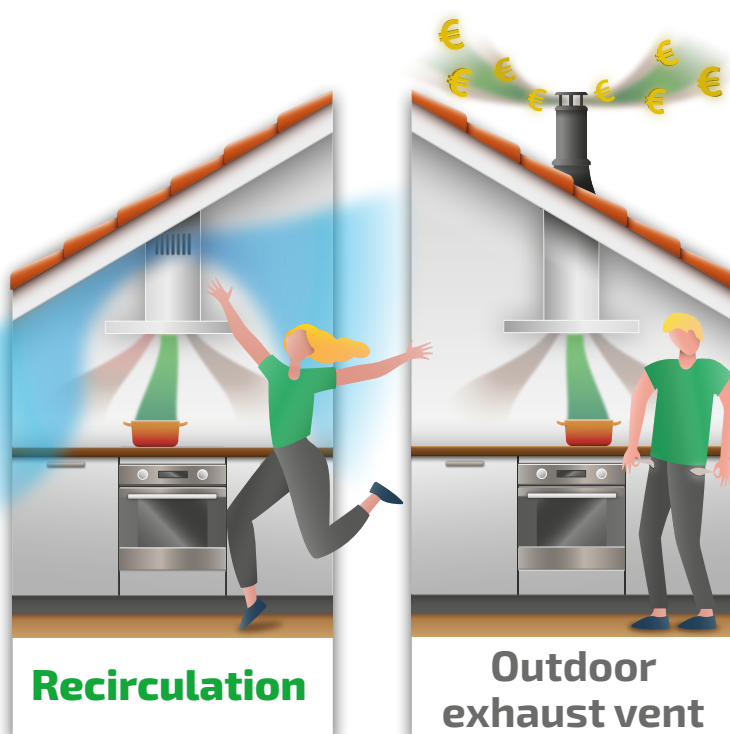
Downdraft extractor

For use in combination with
hob extraction units and
downdraft systems.



GUC1314 1000m³/h

Filter technology:	Plasma and ESD
Inlet diameter:	ø230 x 90 mm
Power consumption:	8 Watt
Weight:	1.90 kg
Dimensions:	341 x 96 372 mm
Lifespan:	10 to 15 years
Warrenty:	5 years (after reg.)
Certification::	CE



Recirculation

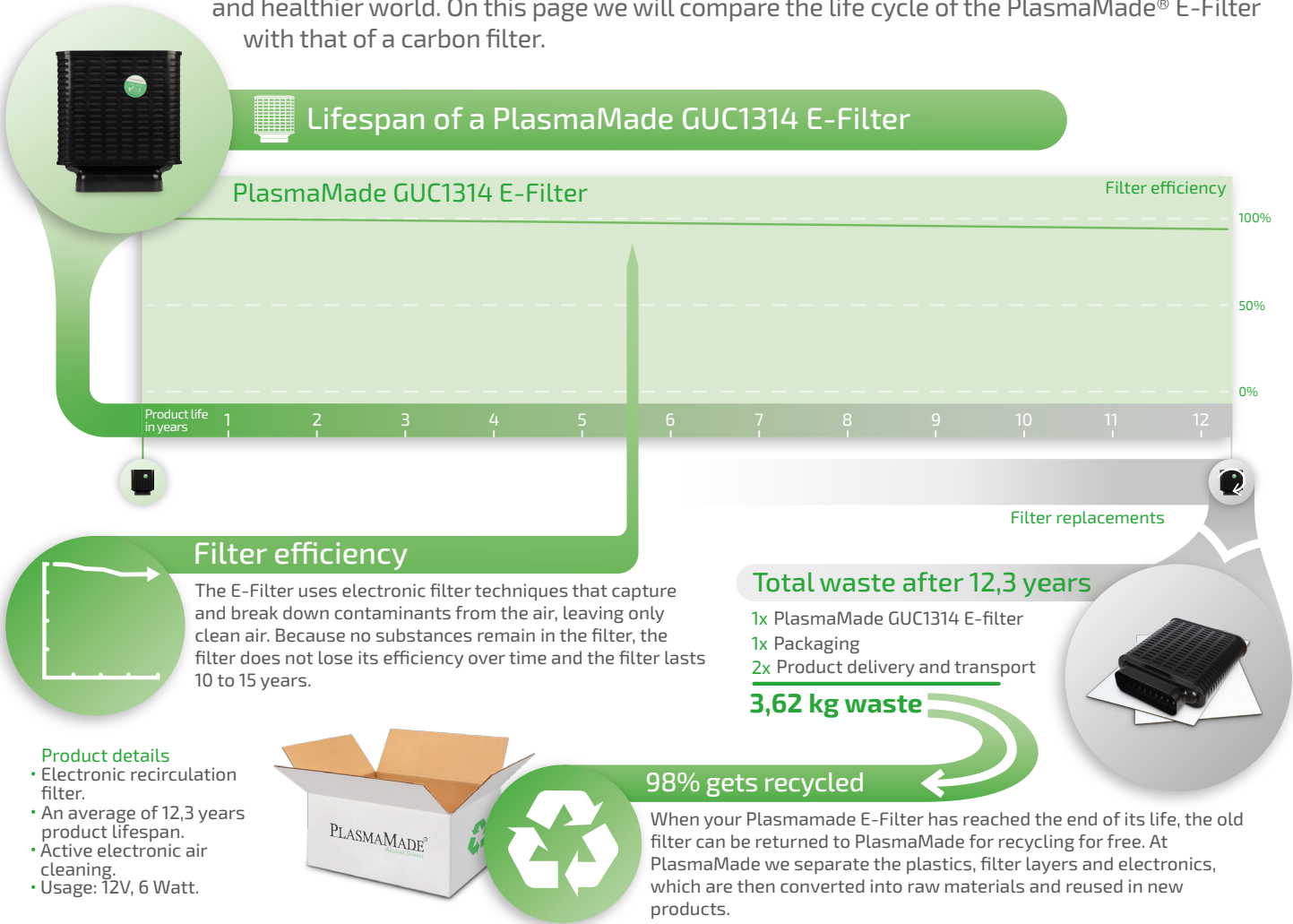
**Outdoor
exhaust vent**

Save money

- An important advantage of a recirculation filter is that you save a significant amount of money on your heating costs, because the filter keeps the heated or cooled air inside.
- A PlasmaMade® E-Filter is not only suitable for the extractor hood, but can also be used in other appliances or next to existing HRV systems. Ask us about the possibilities for these kinds of innovations.

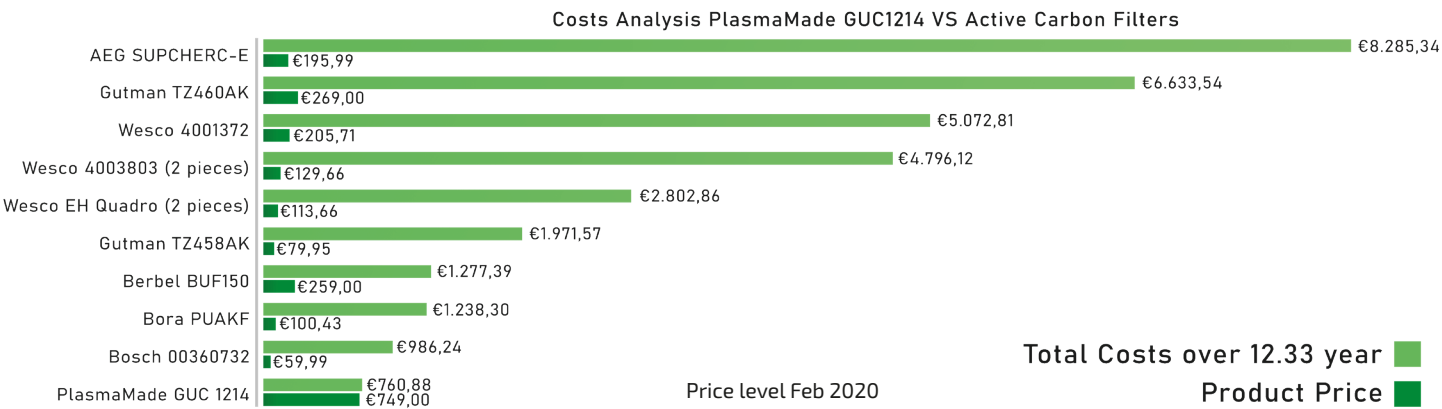
How sustainable is a PlasmaMade® E-Filter?

Nowadays it is very important to take our planet into account during product development and to choose sustainable materials. The PlasmaMade® E-Filter has been specially developed to prevent energy wastage in your home. Our filter is also almost 100% recyclable due to the choice of the sustainable material ABS. ABS is a thermoplastic and can be recycled 97% and is reused in our own products, helping us to contribute to a cleaner and healthier world. On this page we will compare the life cycle of the PlasmaMade® E-Filter with that of a carbon filter.



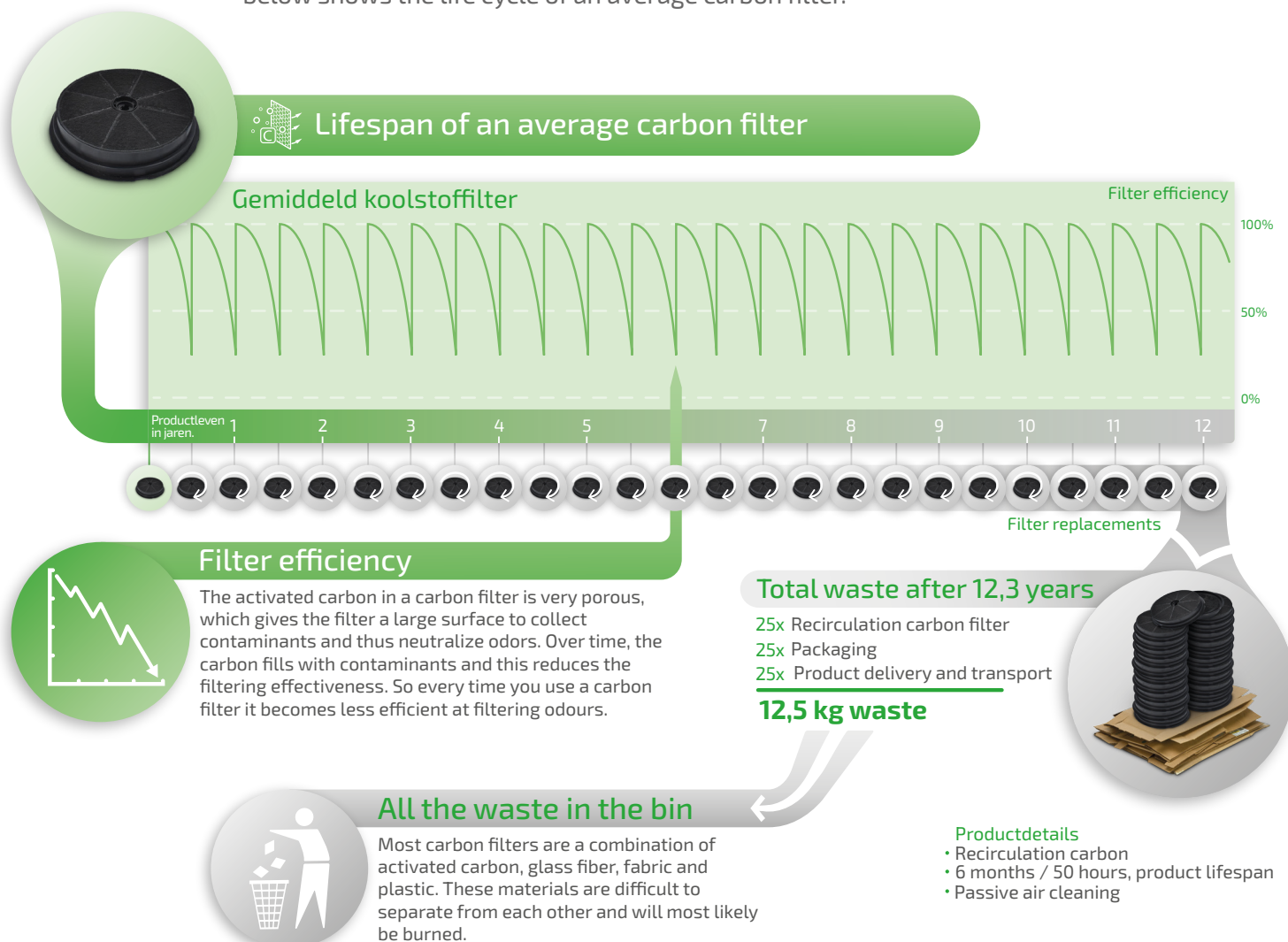
Totale kosten van een E-Filter een koolstoffilter

Unlike a PlasmaMade® E-Filter, a carbon filter has to be replaced over time and, depending on the lifespan and price, this is very expensive in the long run. The diagram below shows the total costs of different carbon filter brands over a time of 12.33 years (average life of a PlasmaMade® E-Filter). The use of these carbon filters is considerably more expensive over the long term and requires much more attention than an E-Filter.

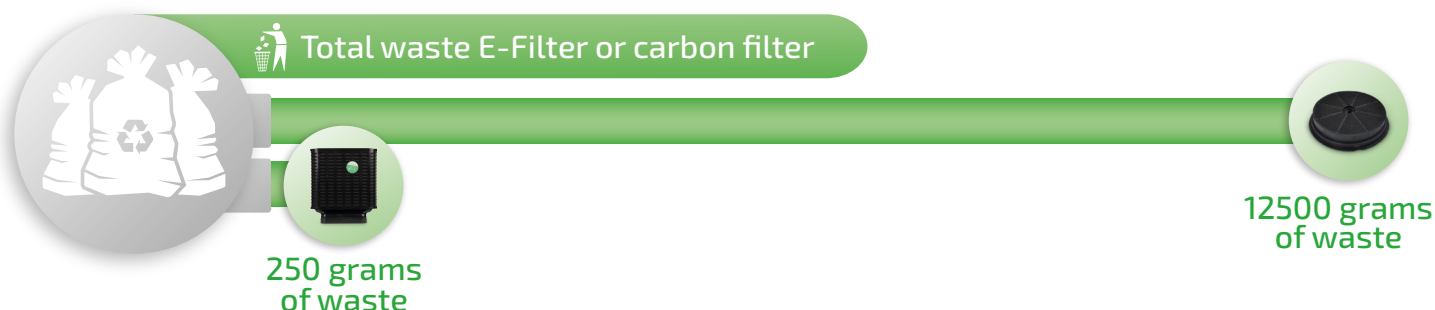


How sustainable is a **carbon filter**?

Unlike a PlasmaMade® E-Filter, a carbon filter will fill up with contaminants and need to be replaced regularly, resulting in significantly more waste and wasted resources. The image below shows the life cycle of an average carbon filter.



Een **E-Filter** of een koolstoffilter?



A PlasmaMade E-Filter lasts 12.3 years, in the same time frame a carbon filter will have to be replaced on average 24 times. This large number of contaminated filters will most likely end up in the gray waste and not be recycled. A PlasmaMade® E-Filter, on the other hand, is almost completely recycled, 98% of the materials can be recovered for use in new products. An old filter can be returned free of charge for recycling.



A PlasmaMade[®] E-Filter in short

PlasmaMade[®] develops and supplies high quality recirculation filters for the kitchen industry. This includes the innovative PlasmaMade[®] E-Filter.

The E-Filter is a revolutionary recirculation filter that uses advanced and patented techniques for cleaning the air. The filter uses, among other things, Electrostatic Discharge (ESD) to clean the air. This enables the E-Filter to filter odours, particulate matter, allergens and micro-organisms from the air. Due to the active operation of the filter, it does not become saturated and has a lifespan of 10 to 15 years.

Are you curious about what a PlasmaMade[®] E-Filter can do for you? Visit our website and find a dealer near you!

Contact

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