



# LIMAX

January 2013

# Summary

Spent vegetable oil is a waste product for which separate collection offers considerable advantages, forming a valuable source of energy and reducing pollution.

OLIMAX is designed specifically for the separate collection of used vegetable oil from the kitchen. OLIMAX is the fruit of analysis, research, care and attention to every detail, responding to the need for a practical, clean and completely safe method of collection, and these functions all come together in an aesthetically pleasing whole.

As part of a larger cooking oil collection system, OLIMAX is the first step towards reducing the environmental pollution caused by used oil, making a valid contribution to the transformation of a waste product into an energy resource.

Its wide opening, complete with removable filter, means it is easy to fill. The distinctive design of the spout, with its special drip-catching system, makes for rapid, smooth emptying, and prevents unpleasant glugging and gurgling. The lid is fitted with a child-proof safety device to ensure it cannot be opened by little ones.

All components of OLIMAX are dishwasher-safe.

# Motivations

Spent cooking oil is not a dangerous waste product, but if it is dispersed into the environment it becomes a serious pollutant, damaging the entire ecosystem:

- dispersed into the soil, it prevents plants from absorbing nutrients;
- dispersed into groundwater it makes the water itself undrinkable;
- dispersed into the atmosphere it forms a “filter”, partially blocking the sun's rays.

When properly collected and disposed of, it can offer considerable savings, as well as becoming a valuable resource:

- collection leads to reduced maintenance costs on purification systems;
- following the regeneration process, it can be used as:  
a mineral lubricant, biodiesel for vehicles, adhesive, industrial soap, etc.

The inconvenience of using other, less practical equipment found on the market, such as simple bottles, canisters and industrial drums, non-specific items that are difficult to wash and totally unsuitable for the home environment, discourage this type of waste collection, thus contributing to the dispersion of oil into the environment.

# Innovative features

Research, innovation and sensitivity to environmental issues are key to the ethos at Mattiussi Ecologia SpA, which has always designed and produced systems to make separate waste collection easier.

These are the values that led the firm to create OLIMAX, a container specifically designed to make the collection of used vegetable oil in the kitchen practical, convenient, clean and safe, thus offering a solution to all the disadvantages of using non-specific equipment.

The firm analysed the difficulties met by those who wanted to collect their used cooking oil, and then set out to find innovative solutions for each one, leading to the creation of OLIMAX, a purpose-made container offering a wealth of innovative features.

# The current situation

Generic drums for industrial use.

Non-stackable blow-moulded equipment, which entails the transportation of large volumes and consequently greater costs and emissions.

Unhygienic emptying without a drip-catcher.



Narrow inlet.  
Need for a funnel if not provided.

External accessories need washing after every use.

Handle is “part of the blow-moulding”, so that oil flows through it, making cleaning difficult.

# OLIMAX innovation

Purpose-made equipment arising from the firm's know-how.

Mattiussi Ecologia R&D, designed by Luisangelo Cozza.

At the end of its useful lifespan, OLIMAX is 100% recyclable.

All components including the body are dishwasher safe.



Ergonomic handle, for easier carrying and emptying.

Slot for 20 mm transponder.

Injection-moulded, allowing for:  
- easily stackable drums for cheaper, simpler logistics;  
- higher quality and durability.

# OLIMAX innovation

Screw lid with child-proof safety device.

Wide inlet, making for easier transfer of oil without the need for a funnel.

Spout with drip-catching device and vent hole to prevent unpleasant gurgling and dripping during emptying.



Screw lid with thread inside the drum for better cleanliness.

The filter is situated under the lid, inside the container, to avoid accidental drips during removal; no parts require washing after every use.



# OLIMAX innovation





# OLIMAX innovation



# Environmental benefits

Easier, cleaner separate collection of spent vegetable oil encourages wider adherence to waste separation schemes, thus reducing damage to the environment caused by indiscriminate disposal.

In this way waste is transformed into a resource, leading to considerable economic and environmental benefits.

Furthermore, being stackable, OLIMAX offers a considerable economic advantage in terms of logistics management, given by the saving in fuel and consequent reduction in atmospheric emissions which are around 75% lower than the “chain” using traditional containers.

## Meeting needs

With its carefully considered technical, ergonomic and aesthetic features, OLIMAX brings people closer to the separate collection of used cooking oil, by making the practice cleaner and more convenient.

Furthermore, the indisputable reduction in pollution and considerable economic advantage deriving from reusing the oil collected, and from the reduced exhaust fumes due to more efficient logistics, users of OLIMAX have the added satisfaction of being part of an intelligent system that transforms waste into a resource.



Mattiussi Ecologia Spa

Via Jacopo Linussio, 80 - 33100 Udine, Italy

T +39 0432 531521 - F +39 0432 530727

[info@mattiussiecologia.com](mailto:info@mattiussiecologia.com) - [www.mattiussiecologia.com](http://www.mattiussiecologia.com)