



Rev.3_28.06.24

GREASE SEPARATORS

ECODEPUR® SG-ECO INOX

UNDERCOUNTER SOLUTION

GREASE SEPARATOR ECODEPUR® SG-ECO INOX

Grease Separator **ECODEPUR® SG-ECO INOX** are made in stainless steel AISI 304 and their goal is the reception and treatment of fat wastewaters from the handling of food products in a domestic or industrial environment.

ADVANTAGES

- Installation under a bench;
- Pre-Decanting incorporated;
- Possibility to embody kit enzyme activation;
- Light and easy to install and maintain;
- Totally watertight;
- No power consumption.



APPLICATION

The wastewater produced in food processing is full of oils and fats that interfere with drainage systems and sewage treatment systems.

PLUMBING	BIOLOGICAL TREATMENT	SLUDGE TREATMENT
<ul style="list-style-type: none"> • Total or partial obstruction, due to the gradual accumulation of oils and fats; • Plumbing wear and degradation; • High costs associated with plumbing cleaning; • Unpleasant odours arising from the plumbing system. 	<ul style="list-style-type: none"> • Increase of the organic load; • Reduction of effluent's biodegradability; • Enhancing foaming due to the change of the surface tension of residual water; • Increased energy consumption on the treatment systems due to reduced oxygen transfer coefficient; • One of the causes for failure to comply with discharge parameters. 	<ul style="list-style-type: none"> • Operation problems with sludge treatment because the presence of oil and fat; • Raise in energy consumption; • Difficulty in sending the sludge to a suitable final destination; • It can interfere with the operation conditions of the anaerobic digester, if there's any, by inhibiting the growth of microorganisms necessary for its operation.



The installation of a grease separator can retain oils and fats, avoiding damage to downstream sanitation systems. Its application is recommended for the following establishments:

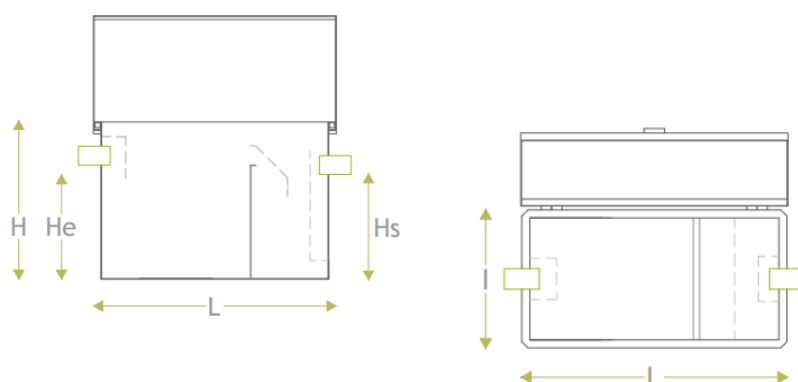
- Restaurants;
- Hotels;
- Bars;
- Camping Parks.
- Canteens;
- School's;
- Residential areas;

OPERATION

The functioning of grease separators does not need any power consumption; it's based on the gravitational separation of materials with different densities than the water. Heavier materials (sludge, sand, etc) settle into the Sludge Trap compartment and are trapped there. This compartment also holds Grease that easily floats. For the separation zone goes water and substances lighter than water, including grease which will be separated.

The grease will accumulate on the surface, while the clean water is drained at a level that does not allow the mixing of the phases.

DIMENSIONS



OPCIONES

ENZYMATIC ACTIVATION KIT
BIOLOGICAL SOLUTION TO DEGRADE
OILS AND FATS

MODEL	NS (l/s)	VOLUME TOTAL (l)	L (mm)	I (mm)	H* (mm)	He (mm)	Hs (mm)	Ø PIPE (mm)	WEIGHT (kg)
SG ECO INOX 1	0,5	76	610	300	420	305	280	50	24
SG ECO INOX 2	0,7	104	750	300	460	320	280	75	32
SG ECO INOX 3	0,8	122	880	300	460	310	265	90	38
SG ECO INOX 4	1,6	245	1.430	300	570	400	355	90	80

The pictures and dimensions can be changed without notice. The dimensions indicated have a tolerance of $\pm 2\%$.

**Full height closed lid*

INSTALLATION

The installation of the ECODEPUR® SG-ECO INOX Grease Separators must be carried out undercounter, providing space for maintenance operations, paying special attention to opening the lid. The inlet and outlet pipes must be connected.

At the same time, the following consideration must be taken into account that the installation of the equipment must allow access and permanence of people, in all places necessary to carry out maintenance operations on the equipment, in safe conditions, as well as the opening of the cover. If you have any questions, you should always contact the technical services of ECODEPUR – Tecnologias de Protecção Ambiental, Lda.

MAINTENANCE

ECODEPUR® SG-ECO INOX grease separators should be inspected, emptied, cleaned and refilled with clean water.

MINIMUM FREQUENCY	TASK
Every 2 days	Opening the SG-ECO PE 100 lid to check and clean any scum accumulated on the surface. Place the removed scum/grease in a container suitable for the type of waste (LER - LER 19 08 09).
Weekly	If provided, check the enzyme activation kit, namely: <ul style="list-style-type: none"> - Solution level in the dosing reservoir; - Free rotation of the dosing pump shaft; - Potential accumulation of debris in the dosing piping.
Monthly	Check the need to replace ECOZYMEX Biological Solution
Every 2 months	Promote the complete cleaning of the separator by contacting a duly licensed Waste Management Entity for this purpose.

The frequency of these operations should vary depending on the operating experience of the equipment.

WARRANTY

Two (2) years, against eventual manufacturing defects.

ECODEPUR® – Tecnologias de Protecção Ambiental, Lda will not be responsible if there are clear indications of poor installation, misuse or poor maintenance.

CONTACTS

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WATER AND WASTEWATER TECHNOLOGIES

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