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GREASE SEPARATORS

ECODEPUR® SG-ECO PE 100

UNDERCOUNTER SOLUTION

GREASE SEPARATORS ECODEPUR® SG-ECO PE 100

The Grease Separators **ECODEPUR® SG-ECO PE 100** are manufactured in polyethylene and are designed to receive and treat greasy wastewater from domestic or industrial uses, originating from the handling of food.

ADVANTAGES

- Installation under a bench;
- High mechanical resistance and corrosion protection;
- 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:

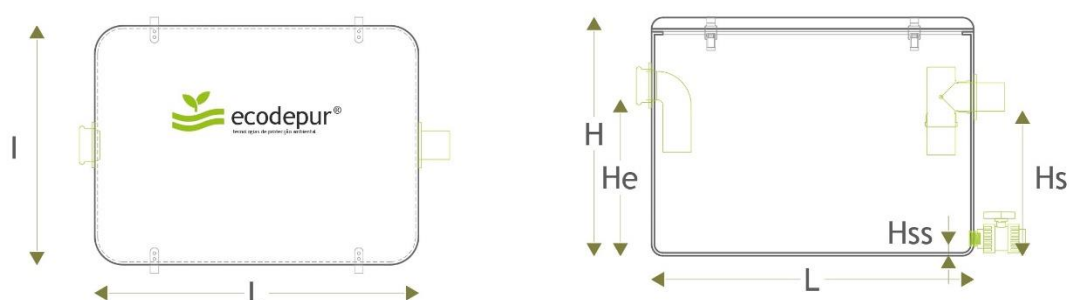
- Restaurants;
- Hotels;
- Bars;
- Camping parks.
- Canteens;
- School's;
- Residential areas;

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

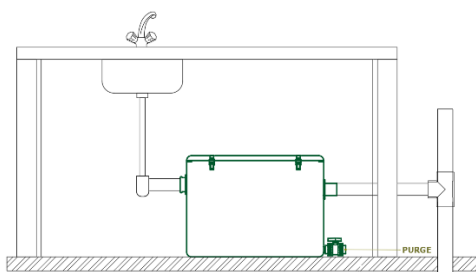


MODEL	NS (l/s)	VOLUME TOTAL (l)	L (mm)	I (mm)	H (mm)	He (mm)	Hs (mm)	Hss (mm)	C (mm)	Ø PIPE (mm)	PIPE CLEANING	WEIGHT (kg)
SG-ECO PE 100	0,5	100	570	420	420	275	255	20	Rectangular total opening	50	F 1/2"	9

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

INSTALLATION

The installation of the ECODEPUR® SG-ECO PE 100 Grease Separators must be carried out undercounter. The inlet, outlet and cleaning piping 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 PE 100 grease separators do not need special care from a structural point of view, due to the high resistance and corrosion protection of the material from which they are made.

ECODEPUR® SG-ECO PE 100 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).
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, covering any manufacturing defects.

ECODEPUR® – Tecnologias de Protecção Ambiental, Lda will not be responsible if there are clear indications of poor installation, misuse (including the use of chemical emulsifiers) or poor maintenance

CONTACTS

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WATER AND WASTEWATER TECHNOLOGIES

All technical data, indications, photographs or other information provided in our brochures and publications are provided for guidance only. ECODEPUR® reserves the right to modify the information presented without prior notice.