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SEPTIC TANK

ECODEPUR[®] FS

SEPTIC TANK ECODEPUR® FS

Septic Tank ECODEPUR® FS is an equipment that allows domestic, or similar, wastewater treatment, and incorporates a primary settling tank and anaerobic digester. The system is equipped with a pre-filter, in order to optimize organic matter reduction levels and retention of suspended solids.

Septic Tank ECODEPUR® FS has CE marking, in accordance with the legal obligations that stems from the entry into force of the Regulation (UE) N.º 305/2011 of Construction Products, fulfilling all the requisites of the European Standard EN 12566-1.



ADVANTAGES

- CE MARKING EN 12566-1, for septic tanks with a nominal capacity equal to or greater than 2.000 L;
- High mechanical resistance and corrosion protection;
- Light and easy to install and maintain;
- Adequate ventilation prevents unpleasant odors;
- Fully watertight (due to the construction materials, there are no leaks in the walls, in contrast with the traditional concrete systems);
- Without energy consumption.



APPLICATION

- Habitations;
- Condominiums;
- Small tourist complexes;
- Temporary Camps;
- Schools;
- Restaurants and bars;
- Canteens;
- Athletic complexes;
- Camping, between others.

MAIN CHARACTERISTICS

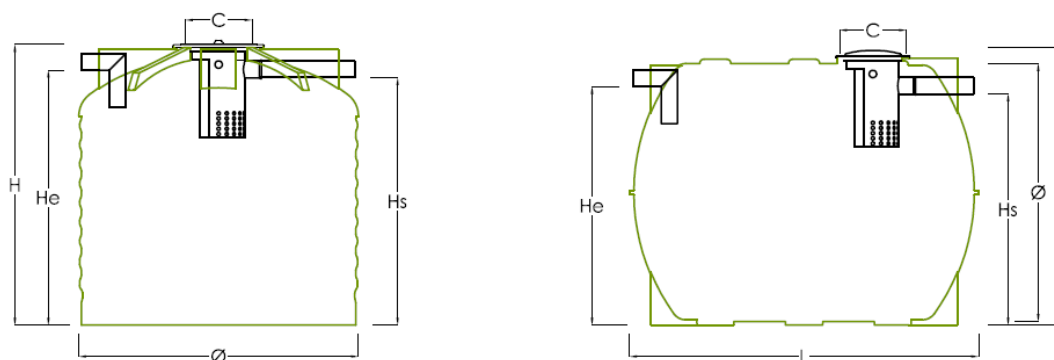
- Basket Grid included.
- Manufactured in additive polyethylene anti-UV, by rotomoulding system, which confer elevated mechanical resistance and corrosion protection;
- Polyethylene cover;
- Null visual impact (Underground Installation).

OPERATION

The working process of Septic Tank ECODEPUR® FS is divided in three different stages:

- Settling: Sludge settling allows liquid/solid phase separation;
- Anaerobic digester: sludge's suffer anaerobic digestion, occurring the mineralization of organic matter.
- Solids Retention: basket grid allows floatable solids retention.

DIMENSIONS



TYPE	VOLUME TOTAL (L)	Ø (mm)	L (mm)	H (mm)	He (mm)	Hs (mm)	Ø PIPE (mm)	C (mm)	WEIGHT (kg)
FS VT1.5	1.500	1.210	1.350	1.310	1.090	1.040	110	400	60
FS VT2.0	2.000	1.530	-	1.655	1.460	1.410	110	400	75
FS VT3.0	3.000	1.500	1.900	1.550	1.305	1.245	110	400	120
FS VT4.0	4.000	1.890	-	1.940	1.735	1.685	110	400	125
FS VT5.0	5.000	1.800	2.320	1.870	1.615	1.560	110	400	180

The pictures and dimensions can be changed without notice.
 The CE 12566 - 1 standard is applied to equipment's with nominal capacity equal or superior to 2.000 liters.
 The dimensions indicated have a tolerance of ± 2%.



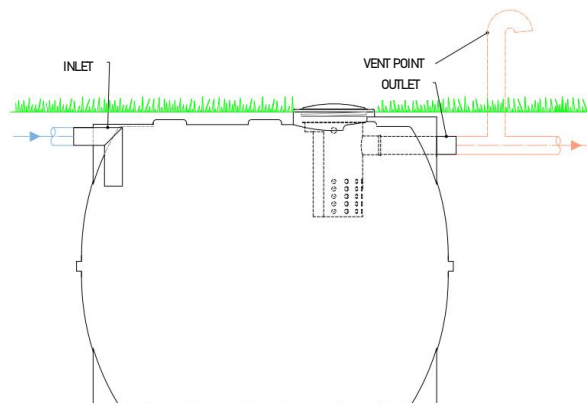
OPTION
 AIR FILTER
 ECODEPUR® AIR FILTER

INSTALLATION

ECODEPUR® FS installation must follow the recommendations of the document supplied Installation PE Reactors/Tanks.

Connection of the ventilation pipe is highly recommended. The location of the point of discharge of the gaseous by-products, resulting from the purification process, must take into account the specific conditions of the installation (correct ventilation will prevent the formation of permanent unpleasant odours). It is not advisable to leave the piping near windows, terraces and regularly frequented places. The effluent must be properly sent to an infiltration system.

In case of any doubt do not hesitate to contact our technical services.



MAINTENANCE

Due to the high mechanical resistance and corrosion protection of the materials, the maintenance of this device only needs a periodical cleaning of the sludges by a specialized company.

In order to assess the need for cleaning suggest the inspection system 1 to 2 times per year. The sludge deposited on the bottom should not exceed 50% of the equipment volume.

When proceeding to the removal of deposited sludge should be left about 5 to 10% of the cumulative volume to ensure the maintenance of microbiological levels that guarantee a rapid start of the anaerobic digestion processes. After cleaning and disposal the equipment should be filled with clean water.

The septic tank inspection is carried out through the manhole by specialized personnel, duly equipped with rubber boots, gloves, mask, etc. The manhole must be open at least 30 minutes before any intervention in order to allow good ventilation and the complete exhaust of potential toxic gases retained. During the cleaning operation of the septic tank smoking must be strictly forbidden. All tasks must be made by a minimum of two workers, being one of them in charge of works supervision assuring readiness to assist in case of any emergency.

GUARANTEE

Five (5) years, covering any manufacturing defects

ECODEPUR® will not be responsible if there are clear indications of poor installation, misuse or poor maintenance, or if it is shown that the equipment was overloaded.

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.