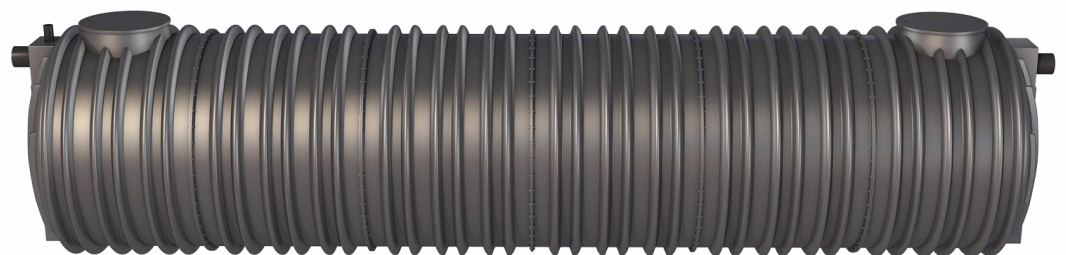






Rev.1\_21.07.16

# SEPTIC TANK

## ECODEPUR<sup>®</sup> FS



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## INTRODUCTION

**Septic Tank ECODEPUR<sup>®</sup> FS** is a equipment that allows domestic, or similar, wastewater treatment, and incorporates a primary settling tank and anaerobic digester.

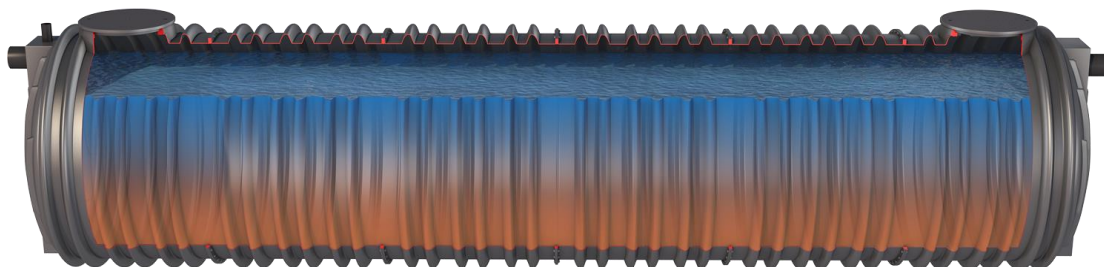
**Septic Tank ECODEPUR<sup>®</sup> FS** has CE marking, in accordance with the legal obligations that stems from the entry into force of the Regulation (UE) N.º 305/2011 of Construction Products, fulfilling all the requisites of the **European Standard EN 12566-1**.

The Initial tests, including the determination and verification of nominal capacity, tightness, hydraulic efficiency and structural behavior, were conducted by the Notified organism No. 1842.



## ADVANTAGES

- CE MARKING EN 12566-1 (applicable FS VT10 and FS VT15)
- High mechanical resistance and corrosion protection;
- Light and easy to install and maintain;
- Without power consumption;
- Low cost;
- Without odours with a correct ventilation.

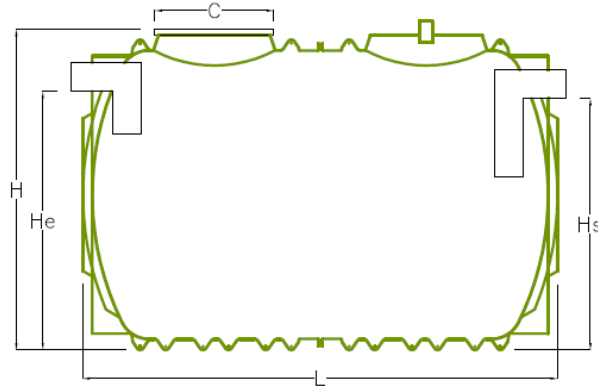


## APPLICATION

The usage of **Septic Tank ECODEPUR<sup>®</sup> FS** is recommend in the absence connection to sewer system. The **Septic Tank ECODEPUR<sup>®</sup> FS** can be used in

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

## DIMENSIONS



TYPE	VOLUME TOTAL (l)	Ø (mm)	L (mm)	H (mm)	He (mm)	Hs (mm)	C (mm)	Ø PIPE (mm)	WEIGHT (Kg)
<b>FS VT10</b>	10.000	2.190	3.440	2.265	1.800	1.700	790	200	450
<b>FS VT15</b>	15.000	2.190	4.980	2.265	1.800	1.700	790	200	650
<b>FS VT20</b>	20.000	2.190	6.520	2.265	1.800	1.700	790	200	800
<b>FS VT25</b>	25.000	2.190	8.060	2.265	1.800	1.700	790	200	1.000
<b>FS VT30</b>	30.000	2.190	9.600	2.265	1.800	1.700	790	200	1.200
<b>FS VT35</b>	35.000	2.190	11.140	2.265	1.800	1.700	790	200	1.400
<b>FS VT40</b>	40.000	2.190	12.680	2.265	1.800	1.700	790	200	1.600
<b>FS VT45</b>	45.000	2.190	14.220	2.265	1.800	1.700	790	200	1.800
<b>FS MRVT50</b>	50.000	2.980	8.420	3.050	2.525	2.425	790	200	2.150
<b>FS MRVT60</b>	60.000	2.980	9.990	3.050	2.525	2.425	790	200	2.550
<b>FS MRVT70</b>	70.000	2.980	11.560	3.050	2.525	2.425	790	200	2.950
<b>FS MRVT80</b>	80.000	2.980	13.130	3.050	2.525	2.425	790	200	3.350
<b>FS MRVT90</b>	90.000	2.980	14.700	3.050	2.525	2.425	790	200	3.750
<b>FS MRVT100</b>	100.000	2.980	16.270	3.050	2.525	2.425	790	200	4.150
<b>FS MRVT110</b>	110.000	2.980	17.840	3.050	2.525	2.425	790	200	4.550
<b>FS MRVT120</b>	120.000	2.980	19.410	3.050	2.525	2.425	790	200	4.950

The pictures and dimensions can be changed without notice.

## MAIN CHARACTERISTICS

- Manufactured in additive linear polyethylene anti-UV, by rotomoulding system, which confer elevated mechanical resistance and corrosion protection;
- Fully watertight;
- Adequate ventilation prevents unpleasant odors.
- Basket Grid included.

## OPERATION

The working process of **Septic Tank ECODEPUR<sup>®</sup> 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.

## INSTALLATION

**Septic Tank ECODEPUR<sup>®</sup> FS** installation must follow the recommendations of the document supplied **Installation PE Reactors/Tanks (Ø 2.190 and 2.980)**.

Additionally, it's recommend a vent pipe installation in outlet water pipe. The vent point outlet location of gaseous by-products, resultant from treatment process, should take into account the specific installation conditions (the vent pipe correct installation will prevent the formation of any unpleasant odor permanently).

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

## MAINTENANCE

- Due to the great corrosion resistance of the material in which are built, the maintenance operations needed are only the removal of the accumulated effluente by the sanitation management entity of your area.
- The need of cleaning is verified by visual inspection.
- 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 inspection of the specific tank is made by specialized personal, properly equipped with rubber boots, gloves, mask, etc. The entrance must be open at least 30 minutes before any task, in order to allow the escape of accumulated gases inside.
- The personal must not be authorized to smoke while cleaning the accumulated effluent. The tasks should always be done by at least two workers, one of them must only watch and be ready to help in case of any emergency.

## GUARANTEE

**Five (5) years**, covering any manufacturing defects.

**ECODEPUR<sup>®</sup> – Tecnologias de Protecção Ambiental, Lda** will be responsible for introducing corrective measures aimed at correct equipment operation, if necessary.