

# DOMESTIC SEWAGE TREATMENT PLANT ECODEPUR<sup>®</sup> BIOFIX

[ Quality, Innovation, Performance! ]



## DOMESTIC SEWAGE TREATMENT PLANT ECODEPUR® BIOFIX

DOMESTIC SEWAGE TREATMENT PLANT, ECODEPUR® BIOFIX is a watertight compact system that allows domestic, or similar, wastewater treatment, and incorporates a primary settling tank, anaerobic digester and an aerobic trickling filter.

### ADVANTAGES

- > CE MARKING EN 12566-1;
- > High efficiency biological filter;
- > High mechanical and corrosion resistance;
- > Facilidade e rapidez de instalação;
- > Fully watertight (due to the construction materials, there are no leaks in the walls, in contrast with the traditional concrete systems));
- > Easy to install and do maintenance;
- > Adequate ventilation prevents unpleasant odors;
- > Without energy consumption.

### FUNCTIONING

The working process 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;
- > **Aerobic trickling filter:** biological removal of soluble organic matter through biomass developed in filler medium. The ventilation of the biological filter is achieved in a natural way (no power consumption) through air circulation between the upper and lower ventilation pipe.

### APPLICATION

The use of ECODEPUR® BIOFIX compact biological tank is recommended when is intended to obtain high efficiency in domestic wastewater treatment, in order to reduce potential contamination of the discharge terrain, and consequently the ground water.

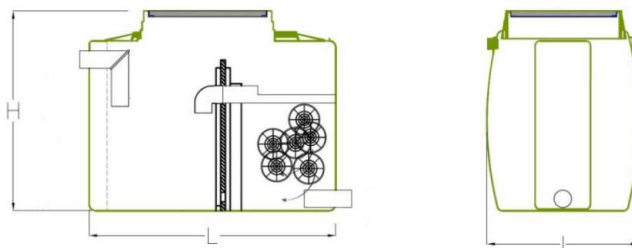
### MAINTENANCE

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.

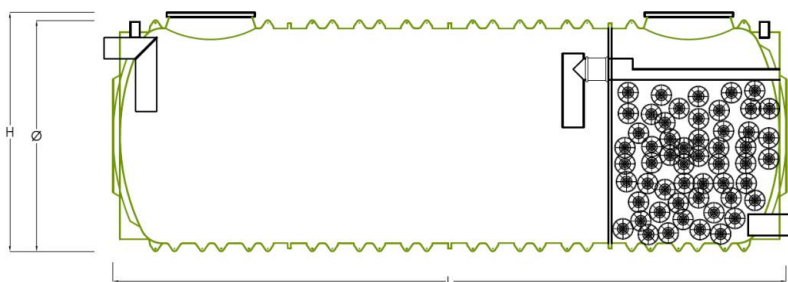
When proceeding to the removal of deposited sludge should be left about 5 to 10% of the cumulative volume to ensure the maintenance of microbiological levels that guarantee a rapid start of the anaerobic digestion processes. After cleaning and disposal the equipment should be filled with clean water.

### Small Dimensions



Model	Pop. Equiv.	Volume	Dimensions (LxH)	Pipe (ø)	Weight (Kg)
BIOFIX 6	6	1.360	1.560 x 960 x 1.230	110	95
BIOFIX 10	10	2.410	2.580 x 960 x 1.230	125	155
BIOFIX 15	15	3.770	4.070 x 960 x 1.230	160	235
BIOFIX 20	20	4.896	5.080 x 960 x 1.230	160	285
BIOFIX 25	25	6.238	6.560 x 960 x 1.230	160	365

### Large Dimensions



Model	Volume	Dimensions (LxDxH)	Pipe (ø)	Weight (Kg)
BIOFIX VT10	10.000	3.440 x 2.190 x 2.265	200	590
BIOFIX VT15	15.000	4.980 x 2.190 x 2.265	200	770
BIOFIX VT20	20.000	6.520 x 2.190 x 2.265	200	960
BIOFIX VT25	25.000	8.060 x 2.190 x 2.265	200	1150
BIOFIX VT30	30.000	9.600 x 2.190 x 2.265	200	1470
BIOFIX VT35	35.000	11.140 x 2.190 x 2.265	200	1660
BIOFIX VT40	40.000	12.680 x 2.190 x 2.265	200	1850
BIOFIX VT45	45.000	14.220 x 2.190 x 2.265	200	2040
BIOFIX MR VT 50	50.000	8.420 x 2.980 x 3.050	200	2630
BIOFIX MR VT 60	60.000	9.990 x 2.980 x 3.050	200	3.030
BIOFIX MR VT 70	70.000	11.560 x 2.980 x 3.050	200	3.700
BIOFIX MR VT 80	80.000	13.130 x 2.980 x 3.050	200	4.100
BIOFIX MR VT 90	90.000	14.700 x 2.980 x 3.050	200	4.500
BIOFIX MR VT 100	100.000	16.270 x 2.980 x 3.050	200	4.900
BIOFIX MR VT 110	110.000	17.840 x 2.980 x 3.050	200	5.570
BIOFIX MR VT 120	120.000	19.410 x 2.980 x 3.050	200	5.970

### Legend

L - Length | I - Width | H - Height | D - Diameter

The dimensions (in mm) are given as an indication and can be changed without notice. For further information contact our technical service / business.