

technical characteristics



measure	unit	tank 1	tank 2	tank 3
TOTAL HEIGHT*	cm	240	240	240
ENTRY HEIGHT*	cm	213	213	213
EXIT HEIGHT*	cm	209	209	209
LENGTH	cm	480	480	260
WIDTH	cm	238	238	238
TOTAL VOLUME	m³	20,00	20,00	10,00
USEFUL VOLUME	m³	18,16	18,16	9,19
WEIGHT	T	9,50	10,35	5,82
WEIGHT (WITHOUT SHIPPING COVER)	T	9,48	10,33	5,80
MANHOLE(S)	cm	1 x Ø62	1 x Ø62	1 x Ø62
Ø IN/OUT	mm	160/160	160/160	160/160

* tolerance +/- 2 cm

assumed influent values	unit
APPLICATION*	wastewater treatment
POLLUTANT LOAD BOD ₅	kg O ₂ /day 6,00
POLLUTANT LOAD COD	kg O ₂ /day 13,50
POLLUTANT LOAD MES	kg/day 9,00
HYDRAULIC LOAD	m³/day 15,00

* we recommend placing a grease trap for treating wastewater generated by a restaurant, kitchens used for commercial purposes, etc.

electromechanical components	
BLOWER	
TYPE	side channel blower
INSTALLED POWER	1,50 kW
CONSUMPTION POWER	1,05 kW
SPL (SOUND PERFORMANCE LAB)	61 dB(A)
VOLTAGE	1 x 230 V
AIR DIFFUSERS	
TYPE	finer bubbles
TYPE SLUDGE RECIRCULATION	submerged pump (installed power : 0.85kW - power consumption : 0.85kW)
CONTROL PANEL	internal

purification performances	unit
BOD ₅	mg O ₂ /liter < 35
COD	mg O ₂ /liter < 125
TSS	mg/liter < 30

materials	
TANK(S)	high performance concrete reinforced with steel fibers
BIOCARRIER	post-consumer recycled PP
AIR FEED PIPES	PVC PN16

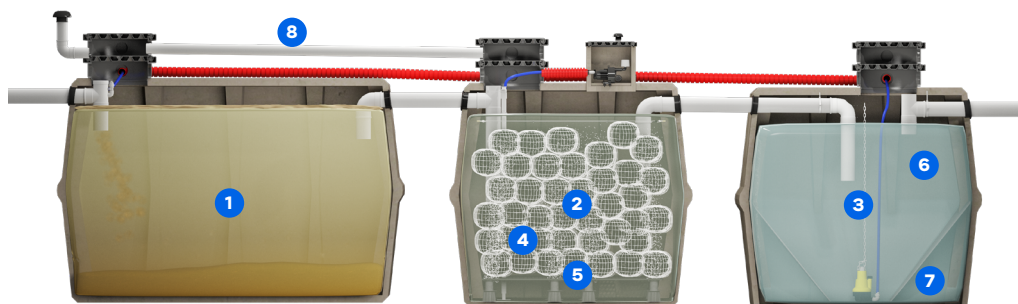
useful volumes	unit
PRIMARY SETTLING COMPARTMENT	m³ 18,16
BIOLOGICAL REACTOR	m³ 18,16
CLARIFIER	m³ 4,41

operation	
SAMPLING CHAMBER	integrated
APPROXIMATE ENERGY CONSUMPTION (KW)	11.133,80
MAINTENANCE FREQUENCY	twice a year

consumables	
BLOWER FILTER	annually
BLOWER MEMBRANES	-
AIR DIFFUSERS	every 8 years

installation conditions	
RESISTANCE	B125 (light vehicles <3,5T)
MAXIMUM BACKFILL HEIGHT	80 cm from the edge of the tank

components & options



- 1 primary settling compartment
- 2 biological reactor
- 3 clarifier
- 4 bacterial support
- 5 air blower
- 6 sludge recirculation
- 7 settling cone
- 8 ventilation

composition

- 1 micro-station (3 tanks)
- 1 x 230V "side channel blower" surpressor
- 1 x 20cm Ø 38mm air pipe
- 6 PVC reductions 110/100
- 6 hydraulic slip-on couplings
- 1 x 20m Ø 38mm recirculation pipe

options

- underground technical room
- Wall bracket for blower
- PE/concrete riser
- PE/concrete lid

warranty



**10 years
warranty**
on the tanks



**2 years
warranty**
on electromechanical kits

** Distribution device, distribution device and filter media (excluding tipper).

*** Excluding accessories (lift pumps, lids, risers, batteries,...).

plan d'implantation

