

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	260	260	260
WIDTH	cm	238	238	238
TOTAL VOLUME	m ³	10,00	10,00	10,00
USEFUL VOLUME	m ³	9,19	9,19	9,19
WEIGHT	T	5,75	6,12	5,82
WEIGHT (WITHOUT SHIPPING COVER)	T	5,73	6,10	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	2,40
POLLUTANT LOAD COD	kg O ₂ /day	5,40
POLLUTANT LOAD MES	kg/day	3,60
HYDRAULIC LOAD	m ³ /day	6,00

* 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	0,68 kW
SPL (SOUND PERFORMANCE LAB)	58 dB(A)
VOLTAGE	1 x 230 V
AIR DIFFUSERS	8 pieces
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	m ³	9,19
BIOLOGICAL REACTOR	m ³	9,19
CLARIFIER	m ³	4,41

operation

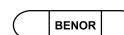
SAMPLING CHAMBER	integrated
APPROXIMATE ENERGY CONSUMPTION (KW)	4.020,84
MAINTENANCE FREQUENCY	two times a year

consumables

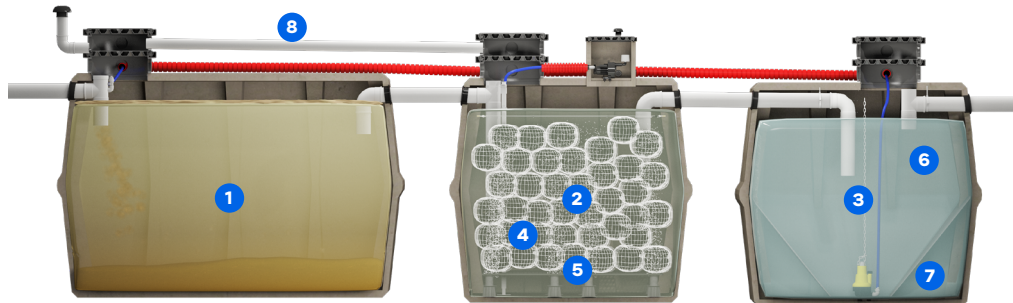
BLOWER FILTER	annually
BLOWER MEMBRANES	-
AIR DIFFUSERS	every 8 years

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 19 mm air pipe
- 6 PVC reductions 110/100
- 6 hydraulic slip-on couplings
- 1 x 5.5m Ø 50mm recirculation pipe

options

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

warranty

10 10 years warranty on the tanks

2 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

