

technical characteristics



measure	unit	tank 1	tank 2
TOTAL HEIGHT*	cm	240	240
ENTRY HEIGHT*	cm	213	213
EXIT HEIGHT*	cm	209	209
LENGTH	cm	260	260
WIDTH	cm	238	238
TOTAL VOLUME	m³	10,00	10,00
USEFUL VOLUME	m³	9,19	9,00
WEIGHT	T	5,75	6,73
WEIGHT (WITHOUT SHIPPING COVER)	T	5,73	6,71
MANHOLE(S)	cm	1 x Ø62	2 x Ø62
Ø IN/OUT	mm	160/160	160/160

* tolerance +/- 2 cm

assumed influent values	unit	
APPLICATION*		wastewater treatment*
POLLUTANT LOAD BOD ₅	kg O ₂ /day	1,80
POLLUTANT LOAD COD	kg O ₂ /day	4,05
POLLUTANT LOAD MES	kg/day	2,70
HYDRAULIC LOAD	m³/day	4,50

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

electromechanical components	
BLOWER	
TYPE	diaphragm blower
INSTALLED POWER	0,29 kW
CONSUMPTION POWER	0,27 kW
SPL (SOUND PERFORMANCE LAB)	55 dB(A)
VOLTAGE	1 x 230 V
AIR DIFFUSERS	
TYPE	fine bubbles
TYPE SLUDGE RECIRCULATION	airlift
CONTROL PANEL	option

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

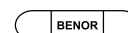
materials	
TANK(S)	high performance concrete reinforced with steel fibers
BIOCARRIER	post-consumer recycled PP
AIR FEED PIPES	PVC PN16

useful volumes/surfaces	unit	
PRIMARY SETTLING COMPARTMENT	m³	9,19
BIOLOGICAL REACTOR	m³	6,80
CLARIFIER	m²	1,00

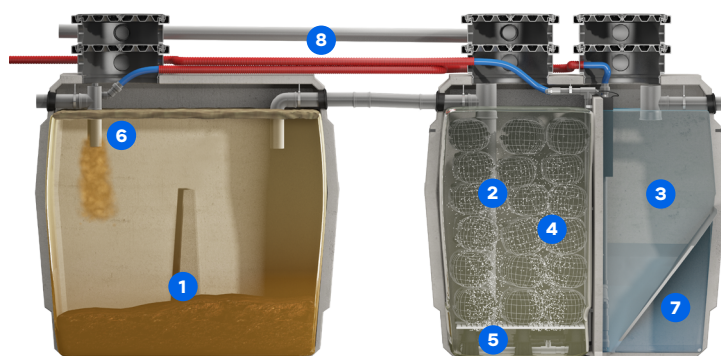
operation	
SAMPLING CHAMBER	integrated
APPROXIMATE ENERGY CONSUMPTION (KW)	2.365,2
MAINTENANCE FREQUENCY	annually

consumables	
BLOWER FILTER	annually
BLOWER MEMBRANES	every 2 years
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 wastewater treatment (2 tanks)
- 1 blower
- 1 x 20cm Ø 19mm air pipe
- 4 PVC reductions
- 4 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 years
warranty**
on the tanks



**2 years
warranty**
on electromechanical kit

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

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

drawing

