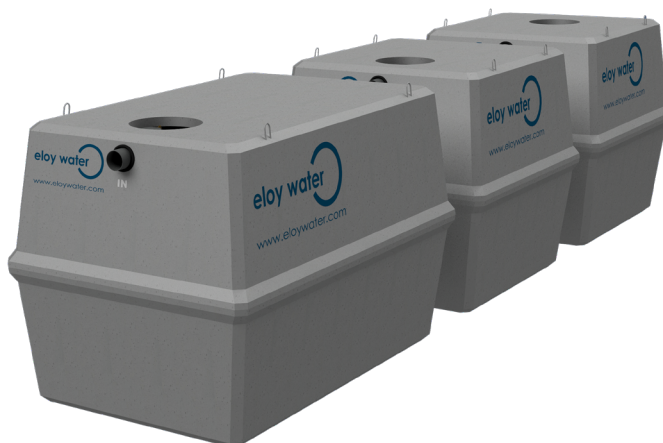


technical characteristics



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	370	260	260
WIDTH	cm	238	238	238
TOTAL VOLUME	m ³	15,00	10,00	10,00
USEFUL VOLUME	m ³	13,68	9,19	9,19
WEIGHT	T	7,50	6,23	5,82
WEIGHT (WITHOUT SHIPPING COVER)	T	7,48	6,21	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 3,60
POLLUTANT LOAD COD	kg O ₂ /day 8,10
POLLUTANT LOAD MES	kg/day 5,40
HYDRAULIC LOAD	m ³ /day 9,00

* 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	0,82 kW
SPL (SOUND PERFORMANCE LAB)	59 dB(A)
VOLTAGE	1 x 230 V
AIR DIFFUSERS	
	9 pieces
TYPE	fine 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 13,68
BIOLOGICAL REACTOR	m ³ 9,19
CLARIFIER	m ³ 4,41

operation

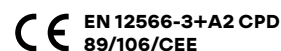
SAMPLING CHAMBER	integrated
APPROXIMATE ENERGY CONSUMPTION (KW)	5.307,10
MAINTENANCE FREQUENCY	twice a year

consumables

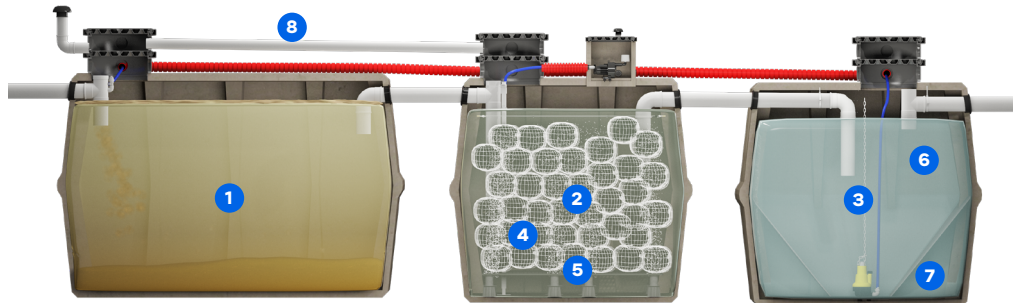
BLOWER FILTER	annually
BLOWER MEMBRANES	-
AIR DIFFUSERS	every 8 years

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" suppressor
- 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 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,...).

drawing

