

Product : Sewage treatment plant

Type : Oxyfix® FIXEUC90
 Model : C-90 CB 58 PE (3) Mono 1x230V
 Process : Submerged Aerated Fixed Film (SAFF) Technology

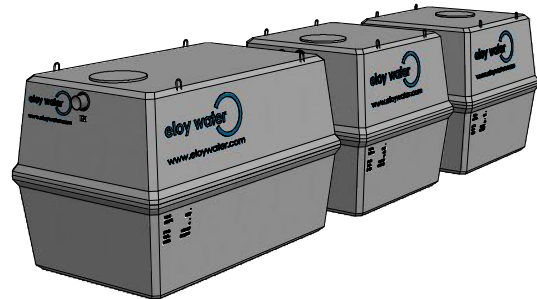
PERFORMANCE

Assumed Influent Values

Application :	Wastewater Treatment*
Pollutant load BOD ₅ :	3.48 kg O ₂ /day
Pollutant load COD :	7.83 kg O ₂ /day
Pollutant load TSS :	5.22 kg/day
Hydraulic load :	8.70 m ³ /day

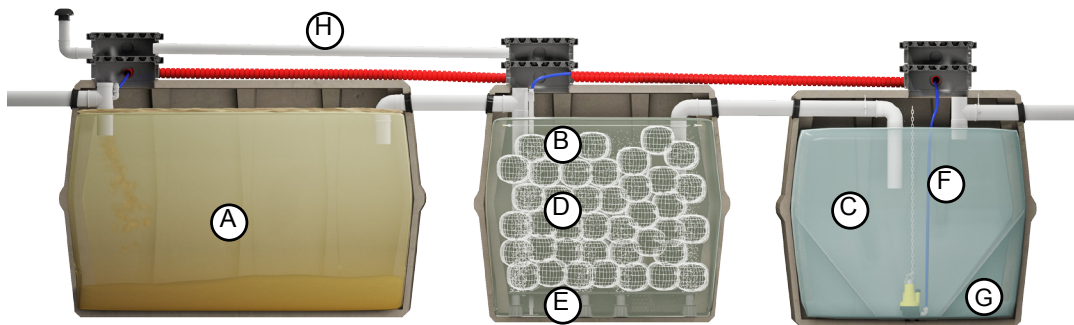
Purification performance

BOD ₅ :	< 25 mg O ₂ /liter
COD :	< 125 mg O ₂ /liter
TSS :	< 30 mg/liter



* We recommend placing a grease trap for treating waste water generated by a restaurant, kitchens used for commercial purposes, etc.

FEATURES



ELECTROMECHANICAL COMPONENTS

Blower

Quantity :	1 pc(s)
Type :	side channel air blower
Installed power :	1.5 kW
Power consumption :	0.82 kW
SPL (Sound Performance Lab) :	59 dB(A)
On / Off :	30/30 min.
Voltage :	1x230V

Air Diffusers

Quantity :	9 pc(s)
Type :	fine bubbles

Sludge recirculation

Type :	submerged pump
Installed power :	0.85 kW
Power consumption :	0.85 kW
On / Off :	8/52 min.

Control panel

Type :	inside
--------	--------

Legend

- A Primary settling compartment
- B Biological reactor
- C Secondary settling compartment
- D Bacterial support
- E Diffusers
- F Sludge recirculation
- G Settling cone

APPROVALS AND CERTIFICATES

 : 2014/04/140/A

DIMENSIONS | VOLUMES | WEIGHTS

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 (w/o shipping cover):	(T)	-	-	-
Manhole(s) :	(cm)	1 x Ø60	1 x Ø60	1 x Ø60
Ø In / Out :	(mm)	160/160	160/160	160/160

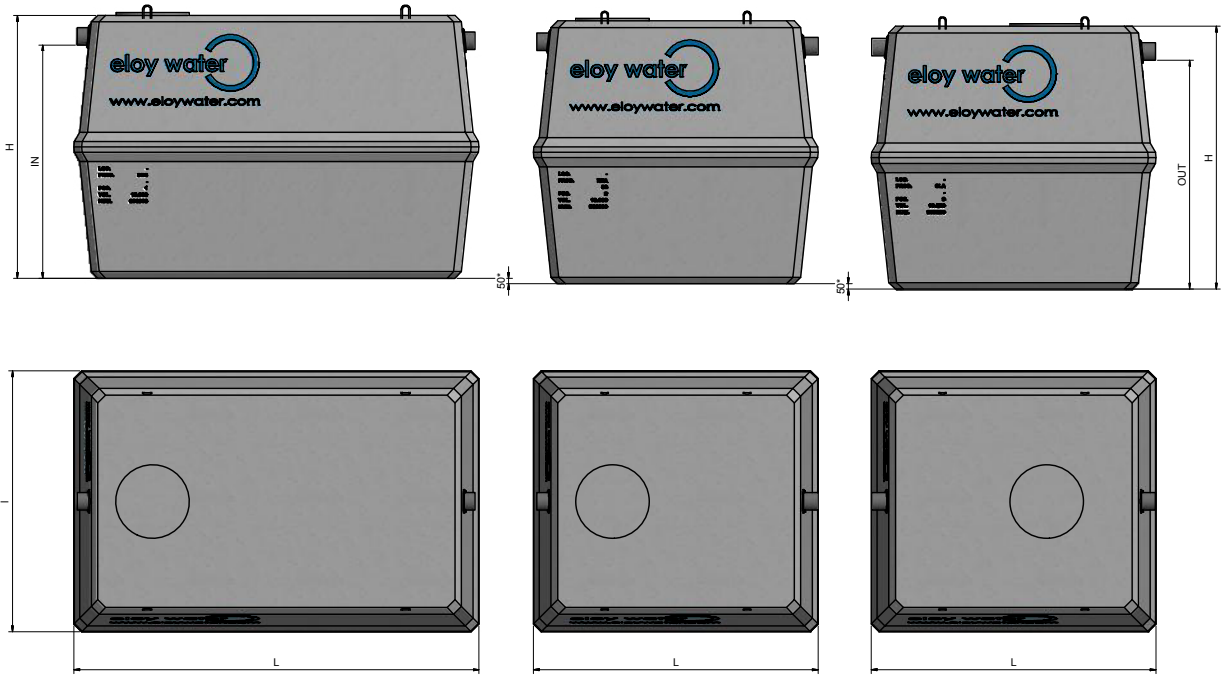


* tolerance ± 2 cm

Material

Tank(s): High performance steel reinforced concrete
 Biocarrier: Recycled PP
 Air feed pipes: PVC PN16

TANK DIMENSIONS



OPERATION

Useful volumes/surfaces

Primary settling compartment:	13.68	m ³
Biological reactor:	9.19	m ³
Clarifier:	4.41	m ²

Operation

Sampling chamber: integrated
 Theoretical desludging frequency: every 11 months
 Approximate energy consumption: 4,584.40 kW
 Maintenance frequency : annually (recommended)
 Admissible load : 80 cm of fill + pedestrian load

Consumables

Blower filter: annually
 Blower membranes: -
 Air diffusers: every 8 years

OPTIONS

Wall support for blower
 PE/concrete tank cover riser 3 pcs
 PE/steel tank cover 3 pcs

GUARANTEES

Electromechanical kit : 2 years
 Tanks : 10 years
 Resistance : B125