

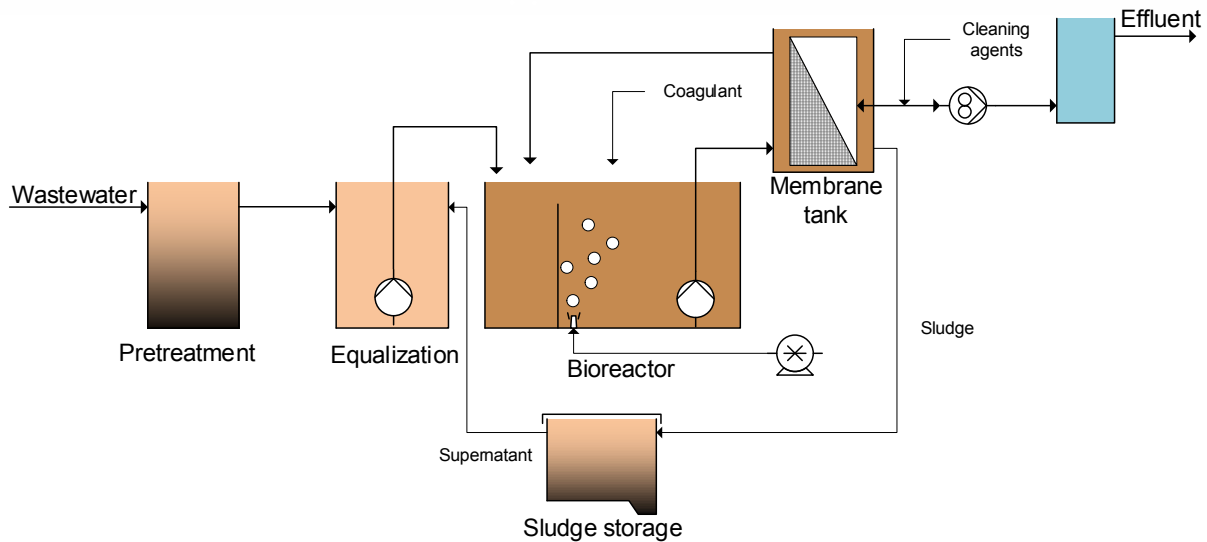
ULTIMO

MEMBRANE BIOLOGICAL REACTOR

TECHNICAL SPECIFICATIONS



FLOW PROCESS DIAGRAM



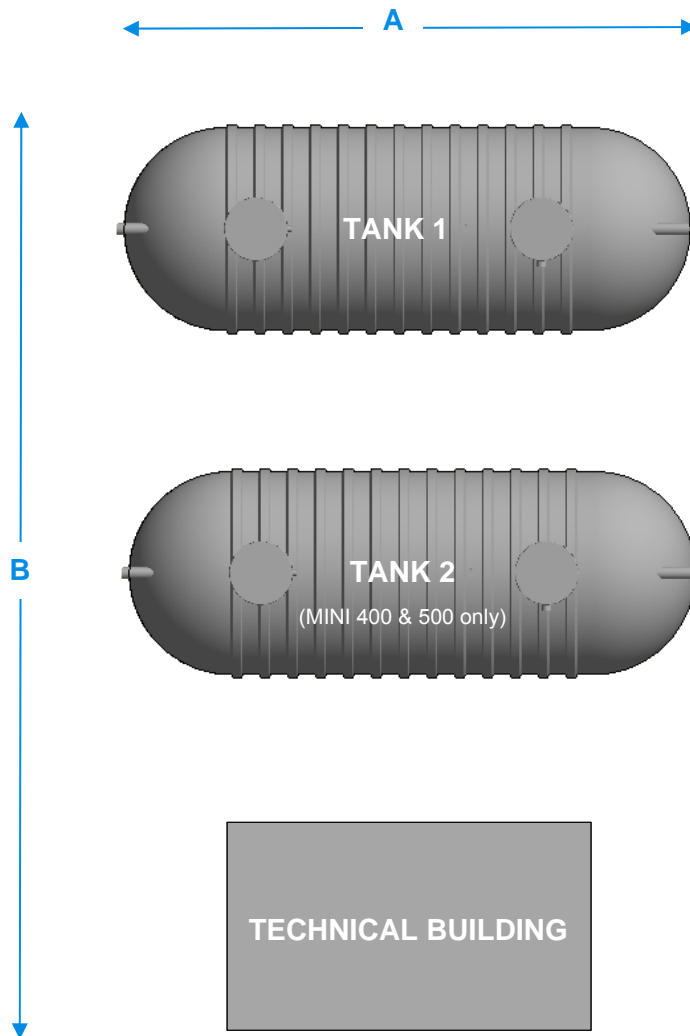
TECHNICAL SPECIFICATIONS*

PARAMETERS	UNITS	MINI 100	MINI 200	MINI 300	MINI 400	MINI 500
Design flow	m ³ /d	25	50	100	150	200
PRETREATMENT						
Screen / Pre-filtration	mm	2	2	2	2	2
EQUALIZATION TANK						
Hydraulic residence time	h	10	10	10	10	10
BIOLOGICAL REACTOR						
MLSS at 20°C	mg/L	Up to 12 000				
MEMBRANES						
Ultrafiltration	µm	0,04				
Number of trains		2				
Filtration flux at 20°C	L/m ² *h	< 25				
Automatic wash with reactivés		✓				
Sludge storage capacity	Weekly	6 to 10	4 to 6	4 to 6	4 to 6	3 to 5
EFFLUENT						
BOD ₅ C	mg/L	≤ 5				
SS	mg/L	≤ 5				
N-NH ₃	mg/L	≤ 1				
P _t	mg/L	≤ 0,1				
Fecal coliforms	UFC/100 ml	≤ 100				

* In accordance with the "Guide des technologies conventionnelles" requirements, revision October 2012.

0118

FOOTPRINT



DIMENSIONS	UNITS	MINI 100	MINI 200	MINI 300	MINI 400	MINI 500
A	m	11,6	10,2	15,3	12,0	16,0
B	m	7,1	7,6	8,3	13,0	13,0

Designed and built by Mabarex.
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