



micro**BLOX**TM
BUILD YOUR OWN





1.512.834.6000



mybuild@microBLOX.build



mbrcentral.com

microBLOX
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YOUR BUILD SHEET

Basis of Design

Parameter	Value
Application	Municipal
Daily Flow	35,000 GPD / 133 m ³ /day
Temperature	8°C to 25°C ¹

Parameter	Influent	Effluent
BOD	250 mg/L	<5 mg/L
TSS	250 mg/L	<5 mg/L
TKN	35 mg/L	
NH3	28 mg/L	<1 mg/L
TN	35 mg/L	<10 mg/L
TP	8 mg/L	N/A
Alkalinity	300 mg/L1	
Disinfection		No

¹ Assumed

Site Requirements

Parameter	Value
Delivery	4 to 12 weeks
Power	480/3PH/60 Hz
Service Amps	200 A
Connectivity	4G Cellular
Ambient Temp	33°F - 103°F
Minimum Temp	20°F w/ Heat Trace
Water Service	40 gpm @ 40 psi
System Footprint	8.5w x 12h x 32l
Ceiling Clearance	4' above tank w/ ceiling hatch
Service Clearance	4' around system
Weight (Dry)	38000 Lbs
Weight (Full)	118,000 Lbs
NEC NPFA 820	C1D1 and C1D2 Envelope
Seismic	Category D



Consultation

Following a 15-minute online consultation of your build, a detailed Proposal will be emailed to you shortly thereafter. **For a consultation please email: mybuild@microBLOX.build**



Submittal & Delivery Schedule

Submittal level information (for permitting, funding) can be generated in less than two weeks following receipt of order. Your Build can be shipped to site in 12 weeks or less pending inventory and options selected. Systems are factory assembled, pre-tested and ready-to-operate upon delivery. Installation can take less than 3 days depending on site conditions.



Financing

microBLOX™ Systems may be purchased, leased or rented to suit your project needs.



Service & Training

24/7 support is included with each System for the first year. Ovivo uses the most advanced digital tools to connect the most experienced staff in the industry, and a network of certified contractors, to each microBLOX™ in operation.



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Base	
2Z	Two (2) Zone System
4Z	Four (4) Zone System
Voltage	
V1	480VAC/3PH/60Hz
V2	208VAC/3PH/60Hz
V3	575VAC/3PH/60Hz
Headworks	
F0	No System Mount Fine Screen
F1	Single Fine Screen - FS 600
F2	Dual Fine Screen - FS 600
F3	Single Fine Screen - FS 800
F4	Dual Fine Screen - FS 800
Zone 1	
S1	Single Membrane - OV104 + Diffuser
D1	Dual Membranes - OV104
S4	Single Membrane - OV480
Zone 2	
S1	Single Membrane - OV104 + Diffuser
D1	Dual Membranes - OV104
S4	Single Membrane - OV480
EQ	Equalization Basin – 4,000 gallons
WA	Waste Activated Sludge – 4,200 gallons
AX	Anoxic – 4,000 gallons
FB	Fine Bubble Aeration – 4,200 gallons
Zone 3	
00	None
S1	Single Membrane - OV104 + Diffuser
D1	Dual Membranes - OV104
S4	Single Membrane - OV480
EQ	Equalization Basin – 4,000 gallons
WA	Waste Activated Sludge – 4,200 gallons
AX	Fine Bubble Aeration – 4,200 gallons

2Z V1 F2 D1 D1 00 00 T0 T1 U3 S1 B2

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Blowers	
B1	Single Blower
B2	Dual Blower
B3	Triple Blower
Supplemental Oxygen	
S0	None
S1	Dual 5 HP IR Pump + O2 + Injector
S2	Dual 10 HP IR Pump + Air + Injector
S3	Dual 10 HP IR Pump + O2 + Injector
S4	Dual 10 HP IR Pump + O2 + Reactor
UV Disinfection	
U0	None
U1	Single Ultraviolet - 30+
U2	Dual Ultraviolet - 30+
U3	Triple Ultraviolet - 30+
U4	Quad Ultraviolet - 30+
U5	Five Ultraviolet - 30+
U6	Six Ultraviolet - 30+
Permeate Collection	
P1	Dual 5 HP Permeate Pumps
P2	Dual 10 HP Permeate Pumps
Transfer Pumps	
T0	None
T1	Dual 5 HP Transfer Pumps
T2	Dual 10 HP Transfer Pumps
Zone 4	
00	None
EQ	Equalization Basin – 4,000 gallons
WA	Waste Activated Sludge – 4,200 gallons
AX	Anoxic – 4,000 gallons
FB	Fine Bubble Aeration – 4,000 gallons



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Analytics																			
Yes - 1	No - 2	Dissolved Oxygen																	
Yes - 1	No - 2	Turbidity																	
Yes - 1	No - 2	Total Suspended Solids																	
Yes - 1	No - 2	Influent Monitoring																	
Yes - 1	No - 2	Effluent Monitoring																	
Chemical Addition																			
Yes - 1	No - 2	Carbon																	
Yes - 1	No - 2	MPE-50 (Flux Enhancer)																	
Yes - 1	No - 2	Alum (Phosphorus Reduction)																	
Yes - 1	No - 2	Mag Hydroxide (pH Adjust)																	
Options																			
Yes - 1	No - 2	Sealed and Vented Covers																	
Yes - 1	No - 2	Walkway with Rails																	
Yes - 1	No - 2	316 Stainless Steel Fasteners																	
Yes - 1	No - 2	Heat Tracing																	
Yes - 1	No - 2	Remote Disconnects																	
Yes - 1	No - 2	Stairs																	
Yes - 1	No - 2	Ladder																	
Colors																			
G		Grey (Standard)																	
D		Desert																	
F		Forest																	
B		Beach																	



OVIVO MBR SYSTEMS
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OVIVO NETWORK

OvivoWater.com



Ovivo is the worldwide experts in water treatment.

MBRCentral.com



MBR Central is a unique portal that connects different actors involved in MBR technologies.

microBLOX.build



True Ready-to-Operate MBR System are available. Build yours at this portal or order pre-built systems in-stock and ready to ship.