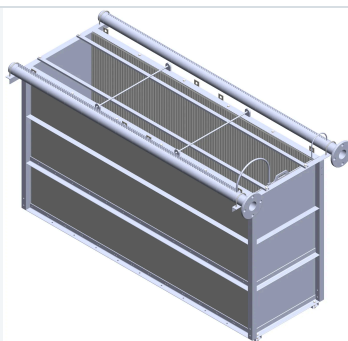


Palisade 130

Plate-type flat-sheet MBR · Single deck · 130 plates



Product overview

Palisade 130 is a single deck plate-type flat-sheet MBR cassette: PES on rigid polypropylene plates, each with its own detachable scour manifold so air reaches the root of every channel.

Key features

- PES membrane welded to solid polypropylene plates
- Targeted scour: detachable manifold at the base of every plate, check valves keep sludge out of the air path
- Independent CFD: about 4× the liquid shear at the channel base vs. a bottom plenum
- 0.04 µm UF standard · 0.4 µm MF optional · store wet or dry, no glycol
- Cut, welded, assembled and packed in Poughkeepsie, NY · BABA at the module
- 304 stainless frame standard, 316 optional · buy or rent

Technical specifications

Parameter	Value	Unit
Plates	130	
Membrane area	≈136.5 (1,469 ft ²)	m ²
Permeate (design)	≈41–69	m ³ /d
Module scour air	≈82 Nm ³ /h (48 scfm)	
Envelope L × W × H	2,106 × 959 × 1,346	mm
Plate panel	1,047 × 502 × 7.6 thick · 6.4 channel gap	mm
Area per plate	≈1.05 (both faces)	m ²
Membrane	PES, permanently wetted · 0.04 µm UF (0.4 µm MF optional)	
Design flux	12.5–21	LMH
MLSS range	3,000–12,000	mg/L
Filtration cycle	8 min filtration / 2 min relaxation	
Scour intensity	10	L/min·m ²
Cleaning	CIP; recipe issued per project	
Key connection	2.5 in Schedule 40	
Frame	304 SS standard · 316 optional	

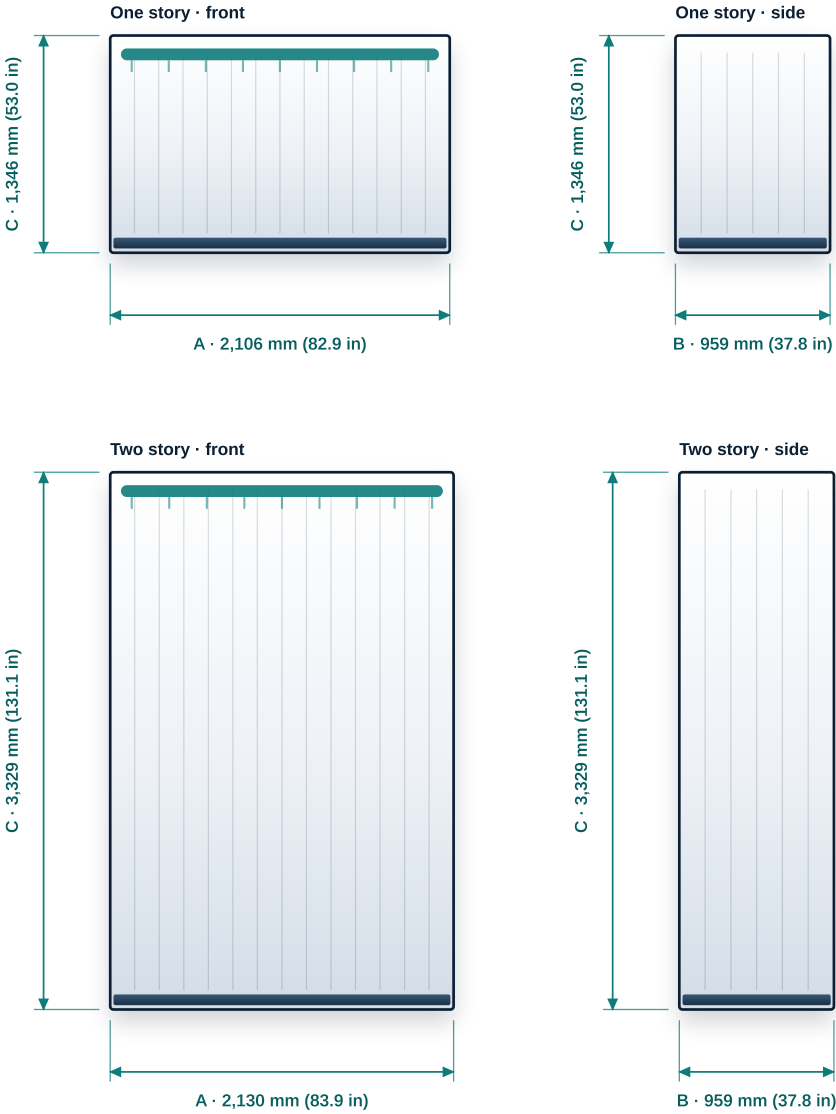
Manufacturer: Zyramic, Inc., Poughkeepsie, NY. Flux and capacity are Zyramic design values; your proposal sets the design point for your feed. Call 845-402-6318.

Palisade 130

Palisade dimensional drawing (one story = 130 plates, two story = 260 plates)

Palisade MBR module dimensions

Net dry weight 150 to 450 kg per module.



Overall dimensions for planning. A overall length, B overall width, C overall height. Certified dimensional drawings are issued with the project quotation and submittal package.
Zyramic, Inc. www.zyramic.com