

BIO-CEL L-2 Stack

MBR Module



Submerged MBR Modules for Wastewater Treatment

HIGH EFFLUENT QUALITY

BIO-CEL MBR is the cost-effective and scalable solution for meeting challenging effluent requirements for wastewater treatment. The BIO-CEL MBR membrane serves as an effective physical barrier for the retention of solids and bacteria. The BIO-CEL MBR modules produce a high volume of superior quality effluent at a consistent flow rate and is especially useful for water reuse applications.

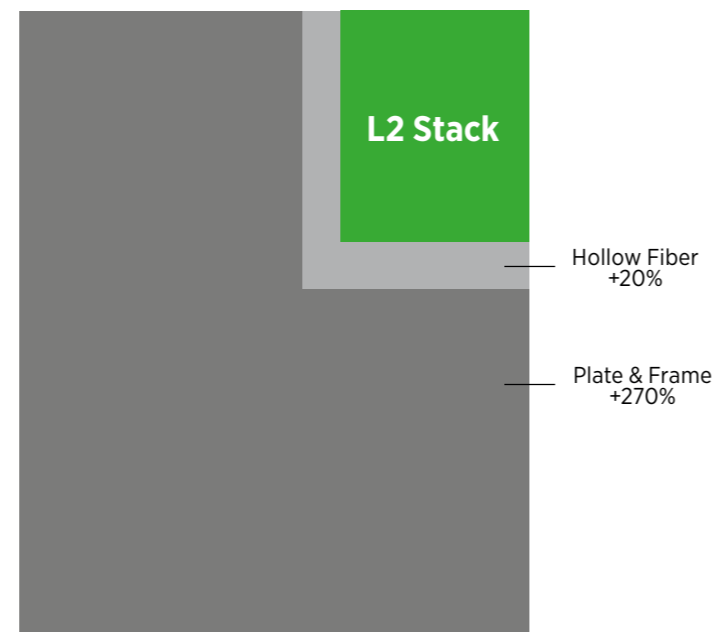
SIMPLE MAINTENANCE

The open design of the BIO-CEL® L-2 module enables 360° access of the membrane stack. This greater access improves cleaning capabilities and significantly reduces maintenance time.

SUPERIOR PACKING DENSITY

Reach new heights of performance with BIO-CEL L-2 Stack: With an outstanding packing density of 495 m² active membrane area per square-meter footprint, BIO-CEL L-2 Stack is the ideal solution for maximizing performance and tank usage in your membrane bioreactor applications.

SPACE REQUIREMENT



Material Data

Membrane area	960 m ² (10334 ft ²)
Recommended air scour rate (Vn) (2)	90 Nm ³ /h (53 SCFM)
Length	1509 mm (5.2 ft)
Width	1285 mm (4.2 ft)
Height	4921 mm (16.1 ft)
Connection for aeration	DN80 (PN10) Pipe End, Polypropylene (3)
Connection for permeate	G 2 ½" BSPP inner thread, Stainless Steel
Dry Weight	693 kg (1528 lb)
Membrane	NADIR® UP150
Housing Material Options	Stainless Steel 1.4301/304 (V2A) On request: SS 1.4571/316Ti (V4A)
Drainage Layer	Polyester (PET)
Diffusor	Membrane hose: Silicone Support tube: PP

Notes: (1) nominal values // (2) volumetric flow rate at standard conditions according to DIN ISO 2533:1979-12 // (3) DN80 Flange Adapter available



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