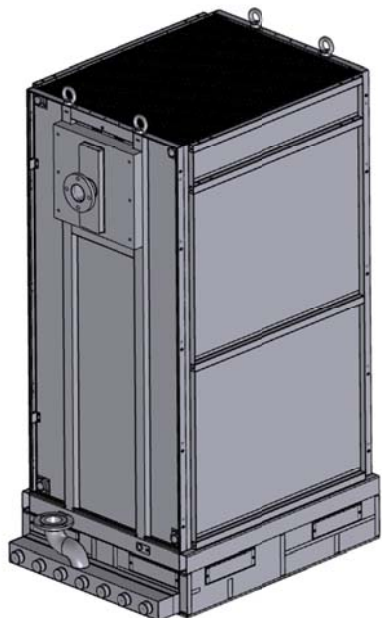


# BIO-CEL<sup>®</sup> L-1

## - Modules for wastewater treatment -

# Data Sheet



### Material

Frame	Stainless Steel (Steel quality: 1.4301 / 304 and superior <sup>(1)</sup> )
Membrane	Polyether sulfone (PES)
Drainage	Polyester
Sealings	EPDM
Diffusor	PP/PUR

<sup>(1)</sup> Different grades upon request

### Membrane and operation data <sup>(2)</sup>

Membrane area	m <sup>2</sup>	480
Nom. MWCO	kDa	150
Pore size	µm	0.04
Permissible particle size in sludge	mm	2
Maximum airflow rate (V <sub>n</sub> ) <sup>(3)</sup>	m <sup>3</sup> /h	115
Max. content suspended solids (SS), recommended <sup>(4)</sup>	g/l	12
Max. trans membrane pressure during filtration	mbar	400
Max. trans membrane pressure during backwash	mbar	150
Max. operating/storage temperature	°C	40
Min. operating/storage temperature	°C	5
pH range		2 - 11
Chlorine resistance	ppmh	500,000
Length	mm	1514
Width	mm	1107
Height	mm	2530
Required ground clearance	mm	400
Connection aeration	Fixed Flange, DN 80, PN6, DIN 2631	
Connection permeate	Fixed Flange, PP, DN 80, PN6	
Dry weight	kg	420
Wet weight	kg	700
Maximum load <sup>(5)</sup>	kg	1500

<sup>(2)</sup> Nominal values

<sup>(3)</sup> V<sub>n</sub> is the volume flow rate at standard conditions according to DIN ISO 2533:1979-12

<sup>(4)</sup> for higher SS concentration please contact MICRODYN-NADIR GmbH

<sup>(5)</sup> Sludge deposit must be removed before lifting the module

MICRODYN-NADIR behält sich das Recht vor, Angaben ohne vorherige Ankündigung anzupassen.  
We reserve the right to change specifications without prior notification.

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