

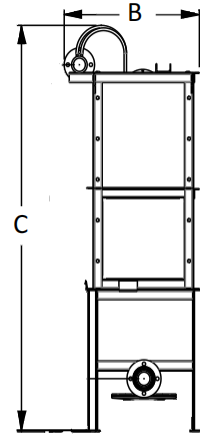
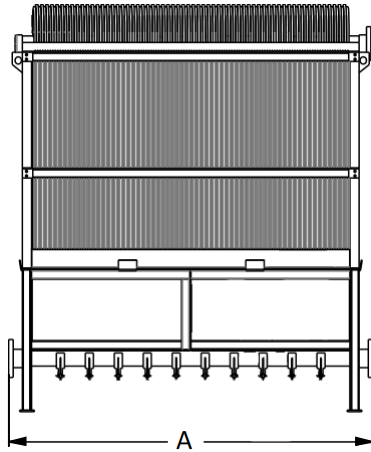


# Single Deck FMBR

**MEMAPACK™ HMBR**

FLAT SHEET MEMBRANE MODULE

TIKER™ PVDF



### Note

- Diffuser Flange Joint: DN65
- Manifold Joint: DN32 (membrane area ≤90m<sup>2</sup>)
- Manifold Joint: DN50 (membrane area >90m<sup>2</sup>)

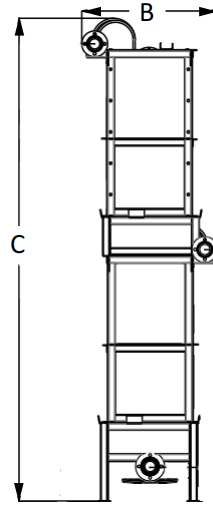
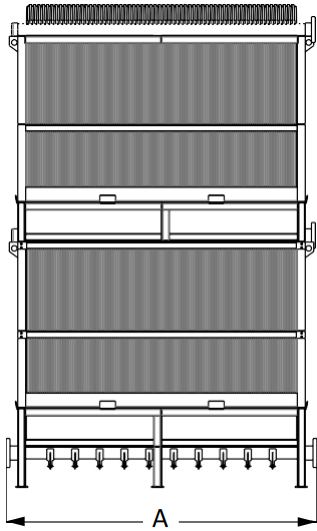
Model No.	Element Model	No. of Elements (pcs)	Surface Area (m <sup>2</sup> )	Capacity (m <sup>3</sup> /d)	Module		
					Length A	Width B	Height C
FMBR 80-50	FMBR 80	50	40	12~24	987	760	1890
FMBR 80-100		100	80	24~48	1737		
FMBR 80-150		150	120	36~72	2487		
FMBR 80-200		200	160	48~96	3237		
FMBR 100-50	FMBR 100	50	50	15~30	987	790	2055
FMBR 100-100		100	100	30~60	1737		
FMBR 100-150		150	150	45~90	2487		
FMBR 100-200		200	200	60~120	3237		
FMBR 150-50	FMBR 150	50	75	23~45	987	760	2640
FMBR 150-100		100	150	45~90	1737		
FMBR 150-150		150	225	68~135	2487		
FMBR 150-200		200	300	90~180	3237		

\*Depending on the wastewater effluent, flux may vary significantly. Performance test are necessary for different users. Parameters in this table are recommended based on domestic wastewater at 25°C, operating pressure -0.1Bar.



# Double Deck FMBR

**MEMAPACK™ HMBR**  
FLAT SHEET MEMBRANE MODULE  
TIKER™ PVDF



### Note

Diffuser Flange Joint: DN65  
Manifold Joint: DN50 (membrane area >90m<sup>2</sup>)

Model No.	Element Model	No. of Elements (pcs)	Surface Area (m <sup>2</sup> )	Capacity (m <sup>3</sup> /d)	Module		
					Length A	Width B	Height C
FMBR 80-100D	FMBR 80	100	80	24~48	987	882	3420
FMBR 80-200D		200	160	48~96	1737		
FMBR 80-300D		300	240	72~144	2487		
FMBR 80-400D		400	320	96~192	3237		
FMBR 100-100D	FMBR 100	100	100	30~60	987	912	3750
FMBR 100-200D		200	200	60~120	1737		
FMBR 100-300D		300	300	90~180	2487		
FMBR 100-400D		400	400	120~240	3237		
FMBR 150-100D	FMBR 150	100	150	45~90	987	882	4920
FMBR 150-200D		200	300	90~180	1737		
FMBR 150-300D		300	450	135~270	2487		
FMBR 150-400D		400	600	180~360	3237		

\*Depending on the wastewater effluent, flux may vary significantly. Performance test are necessary for different users. Parameters in this table are recommended based on domestic wastewater at 25°C, operating pressure -0.1Bar.



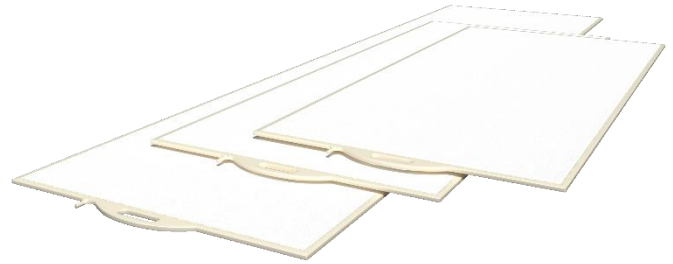
# High Flux



## MBR – MEMBRANE BIOREACTOR

FLAT SHEET MEMBRANE  
TIKER™ PVDF

### FMBR-A80



## Overview

MEMTIK FMBR PVDF Series, is a high-flux Flat Sheet MBR membrane delivering excellent permeability, fouling resistance, stability and elimination effectiveness.

Structured with Tiker™ PVDF (permanently hydrophilic polyvinylidene fluoride) has the advantage of dry storage.

FMBR PVDF Series membranes can be used for a wide variety of treatment applications such as industrial and domestic wastewaters.

- Permanently hydrophilic
- High flux & low fouling
- High MLSS concentration
- High chlorine resistance

## Product Specifications

Effective membrane area	m <sup>2</sup>	0.8
Dimensions (w x h x d)	mm	490 x 1,000 x 7
Weight	Kg	2.6
Nominal pore size	µm	0.2
Membrane material		Hyper™ PVDF
Reinforcement frame		

## Product Performances

Storage & Maintenance	Dry Storage
Design flux rate	15~30 L/m <sup>2</sup> .h
MLSS	4,000~15,000 mg/L

## Operating Specifications

Operating temperature	5~40 °C
DO concentration	>1 mg/L
pH range	2~11
Aeration rate	≥8 L/m <sup>2</sup> .h
Operating pressure	-0.01~0 MPa
Max. operating pressure	0.03 MPa
Max. pressure drop	0.02 MPa



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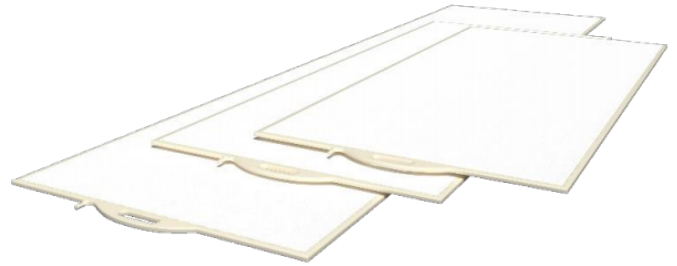
# High Flux



## MBR – MEMBRANE BIOREACTOR

FLAT SHEET MEMBRANE  
TIKER™ PVDF

### FMBR-A150



## Overview

MENTIK FMBR PVDF Series, is a high-flux Flat Sheet MBR membrane delivering excellent permeability, fouling resistance, stability and elimination effectiveness.

Structured with TIKER™ PVDF (permanently hydrophilic polyvinyl difluoride) has **the advantage of dry storage.**

FMBR PVDF Series membranes can be used for a wide variety of treatment applications such as industrial and domestic wastewaters.

- Permanently hydrophilic
- High flux & low fouling
- High MLSS concentration
- High chlorine resistance

## Product Specifications

Effective membrane area	m <sup>2</sup>	1.5
Dimensions (w×h×d)	mm	490x1,750x7
Weight	Kg	5.3
Nominal pore size	µm	0.2
Membrane material		Hyper™ PVDF
Reinforcement frame		ABS

## Product Performances

Storage & Maintenance	Dry Storage
Design flux rate	15~30 L/m <sup>2</sup> .h
MLSS	4,000~15,000 mg/L

## Operating Specifications

Operating temperature	5~40 °C
DO concentration	>1 mg/L
pH range	2~11
Aeration rate	≥12 L/m <sup>2</sup> .h
Operating pressure	-0.01~0 MPa
Max. operating pressure	0.03 MPa
Max. pressure drop	0.02 MPa



Disclaimer: MENTIK or its related company is continuously updating and improving its products and services, so please contact us for more detailed information or to confirm specifications. MENTIK takes no responsibility for any errors resulting from the use of information contained within this document.

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# High Flux



## MBR – MEMBRANE BIOREACTOR

FLAT SHEET MEMBRANE  
TIKER™ PVDF

### FMBR-E100



## Overview

MENTIK FMBR PVDF Series, is a high-flux Flat Sheet MBR membrane delivering excellent permeability, fouling resistance, stability and elimination effectiveness.

Structured with Tiker™ PVDF (permanently hydrophilic polyvinyl difluoride) has the advantage of dry storage.

FMBR PVDF Series membranes can be used for a wide variety of treatment applications such as industrial and domestic wastewaters.

- Permanently hydrophilic

- High flux & low fouling

- High MLSS concentration

- High chlorine resistance

## Product Specifications

Effective membrane area	m <sup>2</sup>	1.0
Dimensions (w×h×d)	mm	610x930x12
Weight	Kg	1.2
Nominal pore size	µm	0.2
Membrane material	-	Hyper™ PVDF
Reinforcement frame	-	

## Product Performances

Storage & Maintenance	-	Dry Storage
Design flux rate	L/m <sup>2</sup> .h	15~30
MLSS	mg/L	4,000~15,000

## Operating Specifications

Operating temperature	°C	5~40
DO concentration	mg/L	>1
pH range	-	2~11
Aeration rate	L/m <sup>2</sup> .h	≥10
Operating pressure	MPa	-0.02~0
Max. operating pressure	MPa	0.035
Max. pressure drop	MPa	0.03

