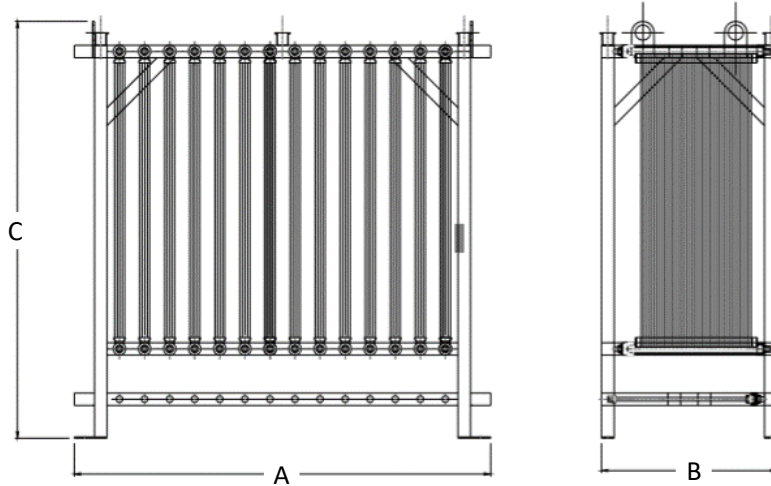


MA Series HMBR

MEMAPACK™ HMBR

HOLLOW FIBRE MEMBRANE MODULE

TIKER™PVDF



Note

HMBR-MA connection standard is Quick Release chuck

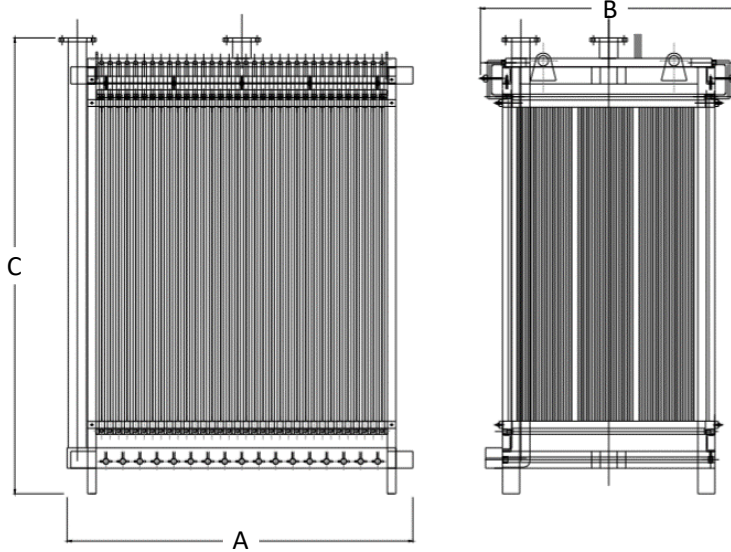
Model No.	Element Model	No. of Elements (pcs)	Surface Area (m ²)	Capacity (m ³ /d)	Dry Weight (kg)	Min water depth (m)	Dimension (mm)		
							Width	Depth	Height
							A	B	C
HMBR-MA06-10	HMBR-MA06	10	60	12 ~ 24	80	1.6	700	1,260	1,260
HMBR-MA06-20		20	120	24 ~ 48	160	1.6	700	2,350	1,260
HMBR-MA06-30		30	180	36 ~ 72	210	1.6	700	3,400	1,260
HMBR-MA06-30W		30	180	36 ~ 72	220	1.6	1,360	1,850	1,260
HMBR-MA06-40W		40	240	48 ~ 96	300	1.6	1,360	2,350	1,260
HMBR-MA10-10	HMBR-MA10	10	100	20 ~ 40	110	2	700	1,260	1,660
HMBR-MA10-20		20	200	40 ~ 80	210	2	700	2,350	1,660
HMBR-MA10-30		30	300	60 ~ 120	300	2	700	3,400	1,660
HMBR-MA10-30W		30	300	60 ~ 120	310	2	1,360	1,850	1,660
HMBR-MA10-40W		40	400	80 ~ 160	450	2	1,360	2,350	1,660
HMBR-MA15-10	HMBR-MA15	10	150	30 ~ 60	150	3	700	1,260	2,460
HMBR-MA15-20		20	300	60 ~ 120	280	3	700	2,350	2,460
HMBR-MA15-30		30	450	90 ~ 180	390	3	700	3,400	2,460
HMBR-MA15-30W		30	450	90 ~ 180	410	3	1,360	1,850	2,460
HMBR-MA15-40W		40	600	120 ~ 240	580	3	1,360	2,350	2,460

MB Series HMBR

MEMAPACK™ HMBR

HOLLOW FIBRE MEMBRANE MODULE

TIKER™ PVDF



Note

HMBR-MB connection standard is PN10 SS flange

Model No.	Element Model	No. of Elements (pcs)	Surface Area (m ²)	Capacity (m ³ /d)	Dry Weight (kg)	Min water depth (m)	Dimension (mm)		
							Width	Depth	Height
							A	B	C
HMBR-MB15-10	HMBR-MB15	10	150	30 ~ 60	230	2.5	1,510	795	2,060
HMBR-MB15-20		20	300	60 ~ 120	410	2.5	1,510	1,295	2,060
HMBR-MB15-30		30	450	90 ~ 180	550	2.5	1,510	1,795	2,060
HMBR-MB15-40		40	600	120 ~ 240	780	2.5	1,510	2,295	2,060
HMBR-MB25-10	HMBR-MB25	10	250	50 ~ 100	300	3	1,510	795	2,760
HMBR-MB25-20		20	500	100 ~ 200	540	3	1,510	1,295	2,760
HMBR-MB25-30		30	750	150 ~ 300	730	3	1,510	1,795	2,760
HMBR-MB25-40		40	1,000	200 ~ 400	1,050	3	1,510	2,295	2,760
HMBR-MB25-60		60	1,500	300 ~ 600	1,450	3	1,510	3,295	2,760

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High Packing Density



MBR – MEMBRANE BIOREACTOR
HOLLOW FIBRE MEMBRANE
HYPER™ PVDF
HMBR-MA10-2.5-RF020



Overview

MEMTIK HMBR PVDF Series, is a high-quality reinforced Hollow Fibre MBR membrane optimized for small to large flux wastewater treatment plants.

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

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

- Permanently hydrophilic
- High chlorine tolerance
- Backwashable membrane

Product Specifications

Effective membrane area	m ²	10
Dimensions (w×h×d)	mm	610×1200×45
Weight	Kg	5
OD	mm	2.5
Nominal pore size	µm	0.2
Membrane material	PET tube + HYPER™ PVDF	

Product Performances

Storage & Maintenance	Dry Storage	
Membrane properties	Permanently hydrophilic	
Surface properties	Non-Ionic	
Design flux rate	L/m ² .h	10~20
Peak hourly flux rate	L/m ² .h	25~35
MLSS	mg/L	4,000~12,000

Operating Specifications

Operating temperature	°C	5~40
DO concentration	mg/L	>1
pH range (Operation, Cleaning)		2~10, 1~11
Air integrity test pressure	MPa	0.02
Max. aeration rate	L/min/pc	160
TMP range	MPa	-0.05~0.03
Operating pressure	MPa	-0.02~0
Max. operating pressure	MPa	<-0.05
Backwash pressure	MPa	0.02
Max. backwash pressure	MPa	<0.03



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High Packing Density



MBR – MEMBRANE BIOREACTOR

HOLLOW FIBRE MEMBRANE

TIKER™PVDF

HMBR-MB25-2.5-RF020



Overview

MEMTIK HMBR PVDF Series, is a high-quality reinforced Hollow Fibre MBR membrane optimized for small to large flux wastewater treatment plants.

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

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

- Permanently hydrophilic
- High chlorine tolerance
- Backwashable membrane

Product Specifications

Effective membrane area	m ²	25
Dimensions (w×h×d)	mm	1,250x2,000x30
Weight	Kg	15.5
OD	mm	2.5
Nominal pore size	µm	0.2
Membrane material	PET tube + HYPER™ PVDF	

Product Performances

Storage & Maintenance	Dry Storage	
Membrane properties	Permanently hydrophilic	
Surface properties	Non-Ionic	
Design flux rate	L/m ² .h	10~20
Peak hourly flux rate	L/m ² .h	25~35
MLSS	mg/L	4,000~12,000

Operating Specifications

Operating temperature	°C	5~40
DO concentration	mg/L	>1
pH range (Operation, Cleaning)		2~10, 1~11
Air integrity test pressure	MPa	0.02
Max. aeration rate	L/min/pc	190
TMP range	MPa	-0.05~0.03
Operating pressure	MPa	-0.02~0
Max. operating pressure	MPa	<-0.05
Backwash pressure	MPa	0.02
Max. backwash pressure	MPa	<0.03

