

MBR – MEMBRANE BIOREACTOR

HOLLOW FIBRE MEMBRANE

HFMBR – IA 10



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

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

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

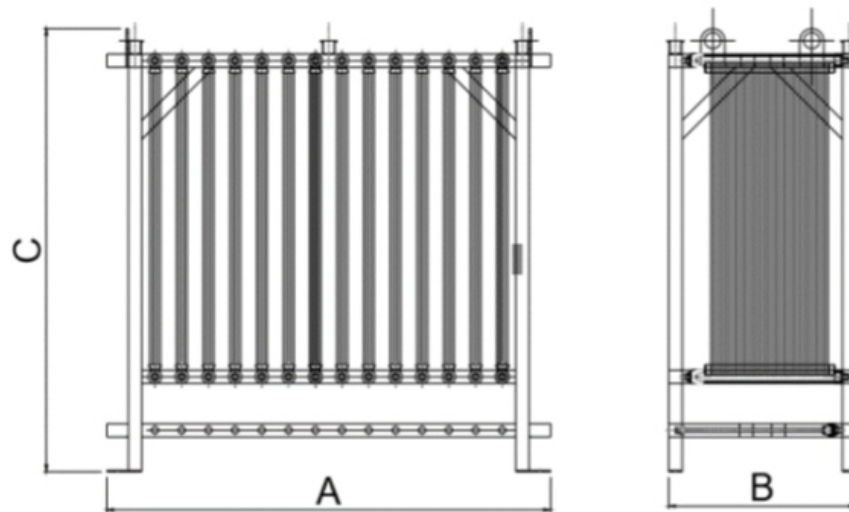


- Permanently hydrophilic
- High chlorine tolerance
- Backwashable Membrane
- High Packing Density



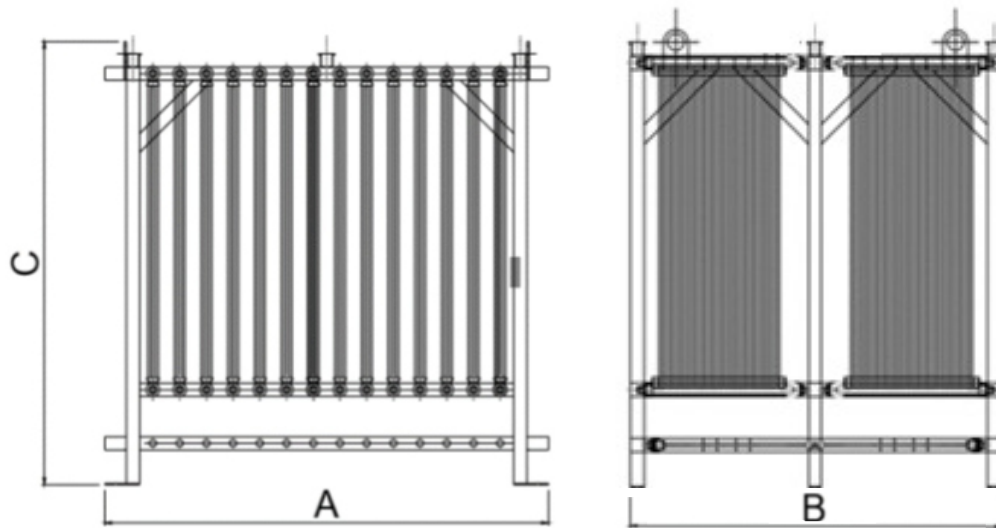
Product specification		
Effective membrane area	M2	10
Height	MM	1200
Thickness	MM	45
Length	MM	610
Dry weight	Kg	5
ID/OD	MM	2.0/2.5
Nominal pore size	µm	0.04/0.2
Membrane Material		Reinforced PVDF
Product Performance		
Storage	Dry Storage	
Design Flux	LMH	0-25
MLSS	PPM	4000 -12000
Operation Specifications		
Operating Temperature	°C	5 -40
DO Concentration	PPM	>1
pH Range		5 - 9
Operating Trans. Pressure	Mbar	100-500
Operating Mode (Permeate-Relaxation)	Min	08-02
Max. Pressure Drop	Mbar	200
Maximum Backwash pressure	Mbar	2000
TMP	Mbar	Initial pressure
Max TMP	Mbar	400

HFMBR – IA 10



Model No.	No. of Cassettes	Membrane area M2	A LENGTH	B WIDTH	C HEIGHT	Wt. of module (Kg)	Permeate nozzle	Air Nozzle	Guide pipe	Linear velocity (75 m/s) min. Aeration m3/hr	Linear velocity (125m/s) standard Aeration m3/hr	Linear velocity (150 m/s)max. Aeration m3/hr
HFMBR IA 10-2	2	20	460	700	1660	60	DN 40	DN 40*2	DN 40	5.40	9.00	10.80
HFMBR IA 10-4	4	40	660	700	1660	72.5	DN 40	DN 40*2	DN 40	10.80	18.00	21.60
HFMBR IA 10-6	6	60	860	700	1660	85	DN 40	DN 40*2	DN 40	16.20	27.00	32.40
HFMBR IA 10-8	8	80	1060	700	1660	97.5	DN 40	DN 40*2	DN 40	21.60	36.00	43.20
HFMBR IA 10-10	10	100	1260	700	1660	110	DN 40	DN 40*2	DN 40	27.00	45.00	54.00
HFMBR IA 10-12	12	120	1460	700	1660	122.5	DN 40*2	DN 40*2	DN 40	32.40	54.00	64.80
HFMBR IA 10-14	14	140	1660	700	1660	135	DN 40*2	DN 40*2	DN 40	37.80	63.00	75.60
HFMBR IA 10-16	16	160	1860	700	1660	147.5	DN 40*2	DN 40*2	DN 40	43.20	72.00	86.40
HFMBR IA 10-18	18	180	2060	700	1660	160	DN 40*2	DN 40*2	DN 40	48.60	81.00	97.20
HFMBR IA 10-20	20	200	2260	700	1660	172.5	DN 50*2	DN 50*2	DN 65	54.00	90.00	108.00
HFMBR IA 10-22	22	220	2460	700	1660	185	DN 50*2	DN 50*2	DN 65	59.40	99.00	118.80
HFMBR IA 10-24	24	240	2660	700	1660	197.5	DN 50*2	DN 50*2	DN 65	64.80	108.00	129.60
HFMBR IA 10-26	26	260	2860	700	1660	210	DN 50*2	DN 50*2	DN 65	70.20	117.00	140.40
HFMBR IA 10-28	28	280	3060	700	1660	222.5	DN 50*2	DN 50*2	DN 65	75.60	126.00	151.20
HFMBR IA 10-30	30	300	3260	700	1660	235	DN 50*2	DN 50*2	DN 65	81.00	135.00	162.00

HFMBR – IA D 10



Model No.	No. of Cassettes	Membrane area M2	A LENGTH	B WIDTH	C HEIGHT	(Kg)Total wt. of module	Permeate nozzle	Air Nozzle	Guide pipe	Linear velocity (75 m/s) min.Aeration m3/hr	Linear velocity (125m/s) standard Aeration m3/hr	Linear velocity (150 m/s)max. Aeration m3/hr
HFMBR IA D 10-4	4	40	460	1360	1660	72.5	DN 40	DN 40	DN 40	10.80	18.00	21.60
HFMBR IA D 10-8	8	80	660	1360	1660	97.5	DN 40	DN 40	DN 40	21.60	36.00	43.20
HFMBR IA D 10-12	12	120	860	1360	1660	122.5	DN 40*2	DN 40*2	DN 40	32.40	54.00	64.80
HFMBR IA D 10-16	16	160	1060	1360	1660	147.5	DN 40*2	DN 40*2	DN 40	43.20	72.00	86.40
HFMBR IA D 10-20	20	200	1260	1360	1660	172.5	DN 50*2	DN 50*2	DN 65	54.00	90.00	108.00
HFMBR IA D 10-24	24	240	1460	1360	1660	197.5	DN 50*2	DN 50*2	DN 65	64.80	108.00	129.60
HFMBR IA D 10-28	28	280	1660	1360	1660	222.5	DN 50*2	DN 50*2	DN 65	75.60	126.00	151.20
HFMBR IA D 10-32	32	320	1860	1360	1660	247.5	DN 50*2	DN 50*2	DN 65	86.40	144.00	172.80
HFMBR IA D 10-36	36	360	2060	1360	1660	272.5	DN 50*2	DN 50*2	DN 65	97.20	162.00	194.40
HFMBR IA D 10-40	40	400	2260	1360	1660	297.5	DN 65*2	DN 50*4	DN 65	108.00	180.00	216.00
HFMBR IA D 10-44	44	440	2460	1360	1660	322.5	DN 65*2	DN 50*4	DN 65	118.80	198.00	237.60
HFMBR IA D 10-48	48	480	2660	1360	1660	347.5	DN 65*2	DN 50*4	DN 65	129.60	216.00	259.20
HFMBR IA D 10-52	52	520	2860	1360	1660	372.5	DN 65*2	DN 50*4	DN 65	140.40	234.00	280.80
HFMBR IA D 10-56	56	560	3060	1360	1660	397.5	DN 65*2	DN 50*4	DN 65	151.20	252.00	302.40
HFMBR IA D 10-60	60	600	3260	1360	1660	422.5	DN 65*2	DN 50*4	DN 65	162.00	270.00	324.00