

MBR – MEMBRANE BIOREACTOR

HOLLOW FIBRE MEMBRANE

HFMBR – IA 06



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.

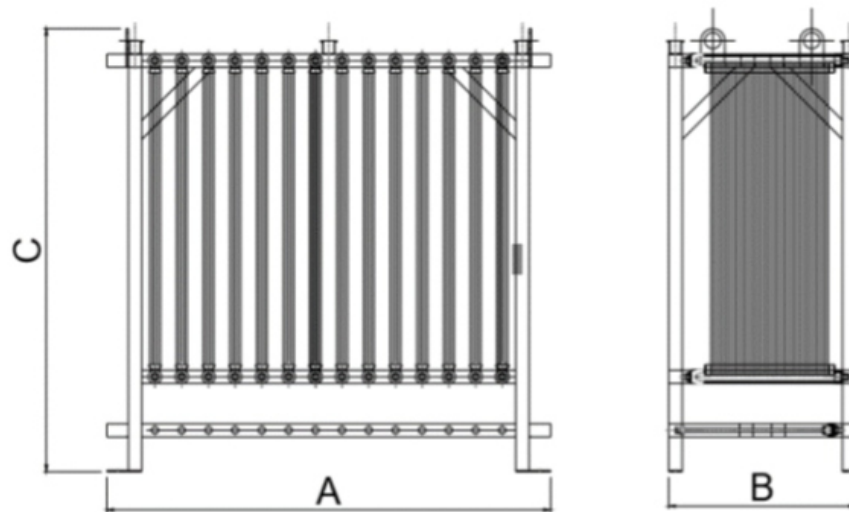


- Permanently hydrophilic
- High chlorine tolerance
- Backwashable Membrane
- High Packing Density



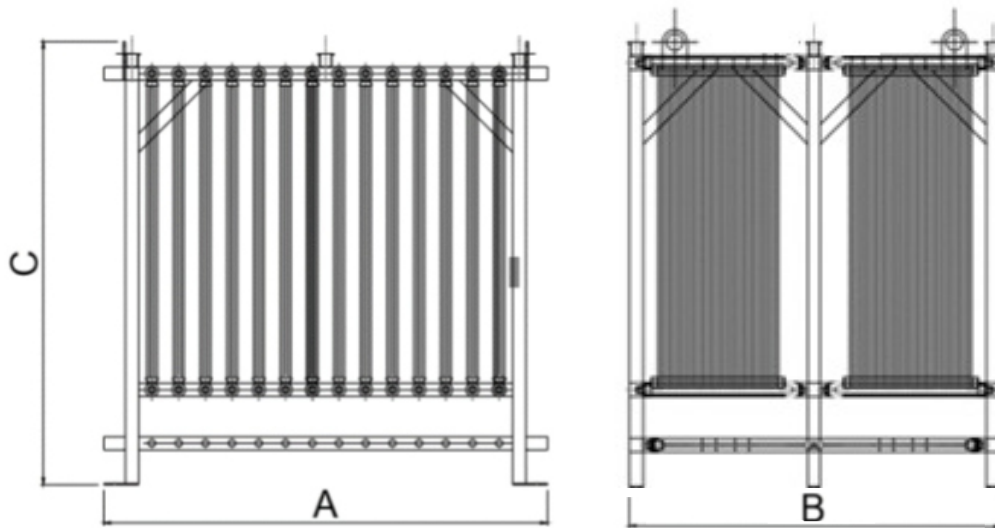
Product specification		
Effective membrane area	M2	6
Height	MM	800
Thickness	MM	45
Length	MM	610
Dry weight	Kg	3.8
ID/OD	MM	2.0/2.5
Nominal pore size	µm	0.04/0.2
Membrane Material		Reinforced PVDF
Product Performance		
Storage	Dry Storage	
Design Flux	LMH	0-25
MLSS	PPM	4000 -12000
Operation Specifications		
Operating Temperature	°C	5 -40
DO Concentration	PPM	>1
pH Range		5 - 9
Operating Trans. Pressure	Mbar	100-300
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 06



Model No.	No. of Cassettes	Membrane Area m ²	A Length	B Width	C Height	Wt. of Module (Kg.)	Permeate Nozzle	Air Nozzle	Guide Pipe	Linear Velocity (75m/s) min, Aeration m ³ /hr	Linear Velocity (125m/s) Standard, Aeration m ³ /hr	Linear Velocity (150m/s) Max, Aeration m ³ /hr
HFMBR IA 06-2	2	12	460	700	1260	72.5	DN 40	DN 40	DN 40	4.32	7.20	8.64
HFMBR IA 06-4	4	24	660	700	1260	77.5	DN 40	DN 40	DN 40	8.64	14.40	17.28
HFMBR IA 06-6	6	36	860	700	1260	82.5	DN 40	DN 40	DN 40	12.96	21.60	25.92
HFMBR IA 06-8	8	48	1060	700	1260	87.5	DN 40	DN 40	DN 40	17.28	28.80	34.56
HFMBR IA 06-10	10	60	1260	700	1260	92.5	DN 40	DN 40	DN 40	21.60	36.00	43.20
HFMBR IA 06-12	12	72	1460	700	1260	97.5	DN 40*2	DN 40*2	DN 40	25.92	43.20	51.84
HFMBR IA 06-14	14	84	1660	700	1260	102.5	DN 40*2	DN 40*2	DN 40	30.24	50.40	60.48
HFMBR IA 06-16	16	96	1860	700	1260	107.5	DN 40*2	DN 40*2	DN 40	34.56	57.60	69.12
HFMBR IA 06-18	18	108	2060	700	1260	112.5	DN 40*2	DN 40*2	DN 40	38.88	64.80	77.76
HFMBR IA 06-20	20	120	2260	700	1260	117.5	DN 40*2	DN 40*2	DN 40	43.20	72.00	86.40
HFMBR IA 06-22	22	132	2460	700	1260	122.5	DN 40*2	DN 50*2	DN 65	47.52	79.20	95.04
HFMBR IA 06-24	24	144	2660	700	1260	127.5	DN 40*2	DN 50*2	DN 65	51.84	86.40	103.68
HFMBR IA 06-26	26	156	2860	700	1260	132.5	DN 40*2	DN 50*2	DN 65	56.16	93.60	112.32
HFMBR IA 06-28	28	168	3060	700	1260	137.5	DN 40*2	DN 50*2	DN 65	60.48	100.80	120.96
HFMBR IA 06-30	30	180	3260	700	1260	142.5	DN 40*2	DN 50*2	DN 65	64.80	108.00	129.60

HFMBR – IA D 06



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 06-4	4	24	460	1360	1260	55.2	DN 40	DN 40	DN 40	8.64	14.40	17.28
HFMBR IA D 06-8	8	48	660	1360	1260	75.4	DN 40	DN 40	DN 40	17.28	28.80	34.56
HFMBR IA D 06-12	12	72	860	1360	1260	95.6	DN 40*2	DN 40*2	DN 40	25.92	43.20	51.84
HFMBR IA D 06-16	16	96	1060	1360	1260	115.8	DN 40*2	DN 40*2	DN 40	34.56	57.60	69.12
HFMBR IA D 06-20	20	120	1260	1360	1260	136	DN 50*2	DN 50*2	DN 65	43.20	72.00	86.40
HFMBR IA D 06-24	24	144	1460	1360	1260	156.2	DN 50*2	DN 50*2	DN 65	51.84	86.40	103.68
HFMBR IA D 06-28	28	168	1660	1360	1260	176.4	DN 50*2	DN 50*2	DN 65	60.48	100.80	120.96
HFMBR IA D 06-32	32	192	1860	1360	1260	196.6	DN 50*2	DN 50*2	DN 65	69.12	115.20	138.24
HFMBR IA D 06-36	36	216	2060	1360	1260	216.8	DN 50*2	DN 50*2	DN 65	77.76	129.60	155.52
HFMBR IA D 06-40	40	240	2260	1360	1260	237	DN 50*2	DN 50*2	DN 65	86.40	144.00	172.80
HFMBR IA D 06-44	44	264	2460	1360	1260	257.2	DN 50*2	DN 50*2	DN 65	95.04	158.40	190.08
HFMBR IA D 06-48	48	288	2660	1360	1260	277.4	DN 50*2	DN 50*2	DN 65	103.68	172.80	207.36
HFMBR IA D 06-52	52	312	2860	1360	1260	297.6	DN 50*2	DN 50*2	DN 65	112.32	187.20	224.64
HFMBR IA D 06-56	56	336	3060	1360	1260	317.8	DN 50*2	DN 50*2	DN 65	120.96	201.60	241.92
HFMBR IA D 06-60	60	360	3260	1360	1260	338	DN 50*2	DN 50*2	DN 65	129.60	216.00	259.20