

MBR – MEMBRANE BIOREACTOR

HOLLOW FIBRE MEMBRANE

HFMBR – IA 15



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.

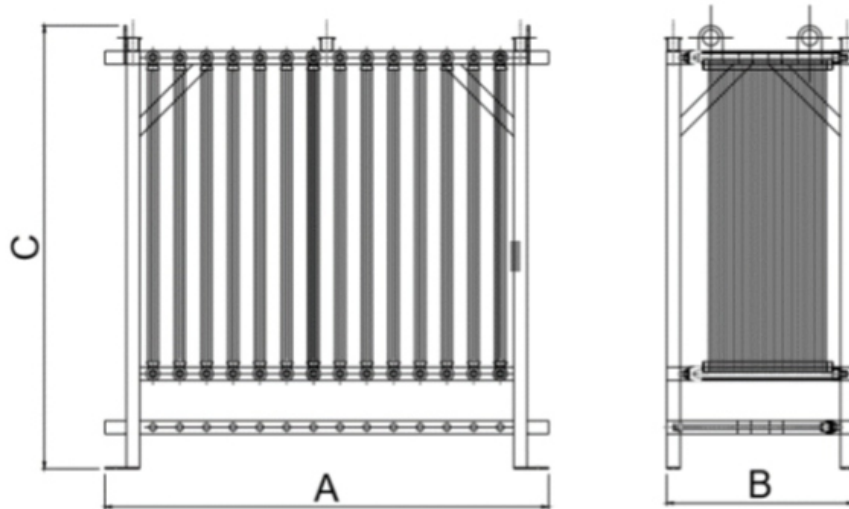


- Permanently hydrophilic
- High chlorine tolerance
- Backwashable Membrane
- High Packing Density



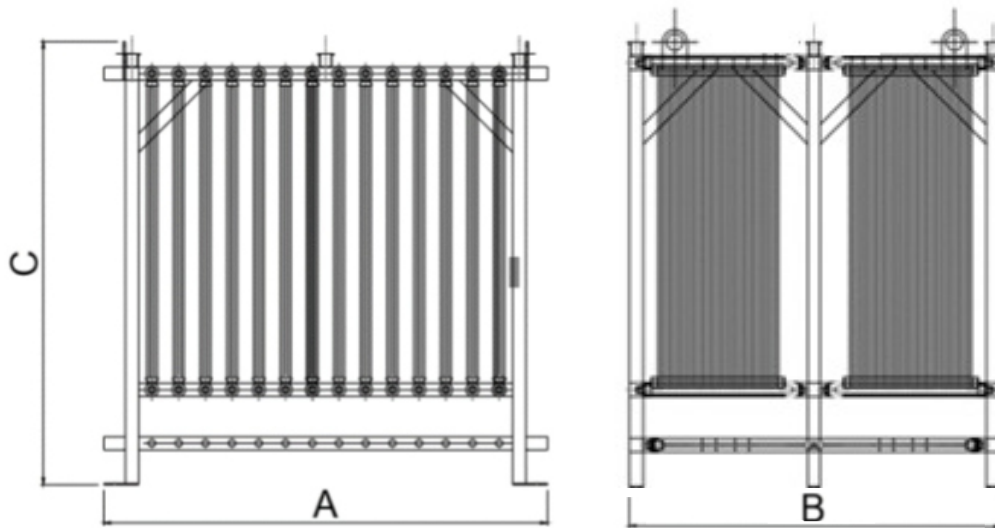
Product specification		
Effective membrane area	M2	15
Height	MM	2000
Thickness	MM	45
Length	MM	610
Dry weight	Kg	8
ID/OD	MM	2.0/2.5
Nominal pore size	µm	0.04/0.2
Membrane Material		Reinforced PVDF
Product Performance		
Storage	Dry Storage	
Design Flux	LMH	0-25
MLSS	PPM	4000 -12000
Operation Specifications		
Operating Temperature	°C	5 -40
DO Concentration	PPM	>1
pH Range		5 - 9
Operating Trans. Pressure	Mbar	100-500
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 15



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 15-2	2	30	460	700	2460	81	DN 40	DN 40*2	DN 40	7.20	11.99	14.39
HFMBR IA 15-4	4	60	660	700	2460	2460	2460	2460	2460	2460	23.99	28.78
HFMBR IA 15-6	6	90	860	700	2460	118	DN 40	DN 40*2	DN 40	21.59	35.98	43.17
HFMBR IA 15-8	8	120	1060	700	2460	136.5	DN 40	DN 40*2	DN 40	28.78	47.97	57.56
HFMBR IA 15-10	10	150	1260	700	2460	155	DN 40	DN 40*2	DN 40	35.98	59.96	71.96
HFMBR IA 15-12	12	180	1460	700	2460	173.5	DN 40*2	DN 40*2	DN 40	43.17	71.96	86.35
HFMBR IA 15-14	14	210	1660	700	2460	192	DN 40*2	DN 40*2	DN 40	50.37	83.95	100.74
HFMBR IA 15-16	16	240	1860	700	2460	210.5	DN 40*2	DN 40*2	DN 40	57.56	95.94	115.13
HFMBR IA 15-18	18	270	2060	700	2460	229	DN 40*2	DN 40*2	DN 40	64.76	107.93	129.52
HFMBR IA 15-20	20	300	2260	700	2460	247.5	DN 50*2	DN 50*2	DN 65	71.96	119.93	143.91
HFMBR IA 15-22	22	330	2460	700	2460	266	DN 50*2	DN 50*2	DN 65	79.15	131.92	158.30
HFMBR IA 15-24	24	360	2660	700	2460	284.5	DN 50*2	DN 50*2	DN 65	86.35	143.91	172.69
HFMBR IA 15-26	26	390	2860	700	2460	303	DN 50*2	DN 50*2	DN 65	93.54	155.90	187.08
HFMBR IA 15-28	28	420	3060	700	2460	321.5	DN 50*2	DN 50*2	DN 65	100.74	167.90	201.47
HFMBR IA 15-30	30	450	3260	700	2460	340	DN 50*2	DN 50*2	DN 65	107.93	179.89	215.87

HFMBR – IA D 15



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 15-4	4	60	460	1360	2460	99.5	DN 40	DN 40	DN 40	14.39	23.99	28.78
HFMBR IA D 15-8	8	120	660	1360	2460	136.5	DN 40	DN 40	DN 40	28.78	47.97	57.56
HFMBR IA D 15-12	12	180	860	1360	2460	173.5	DN 40*2	DN 40*2	DN 40	43.17	71.96	86.35
HFMBR IA D 15-16	16	240	1060	1360	2460	210.5	DN 40*2	DN 40*2	DN 40	57.56	95.94	115.13
HFMBR IA D 15-20	20	300	1260	1360	2460	247.5	DN 50*2	DN 50*2	DN 65	71.96	119.93	143.91
HFMBR IA D 15-24	24	360	1460	1360	2460	284.5	DN 50*2	DN 50*2	DN 65	86.35	143.91	172.69
HFMBR IA D 15-28	28	420	1660	1360	2460	321.5	DN 50*2	DN 50*2	DN 65	100.74	167.90	201.47
HFMBR IA D 15-32	32	480	1860	1360	2460	358.5	DN 50*2	DN 50*2	DN 65	115.13	191.88	230.26
HFMBR IA D 15-36	36	540	2060	1360	2460	395.5	DN 50*2	DN 50*2	DN 65	129.52	215.87	259.04
HFMBR IA D 15-40	40	600	2260	1360	2460	432.5	DN 65*2	DN 50*4	DN 65	143.91	239.85	287.82
HFMBR IA D 15-44	44	660	2460	1360	2460	469.5	DN 65*2	DN 50*4	DN 65	158.30	263.84	316.60
HFMBR IA D 15-48	48	720	2660	1360	2460	506.5	DN 65*2	DN 50*4	DN 65	172.69	287.82	345.38
HFMBR IA D 15-52	52	780	2860	1360	2460	543.5	DN 65*2	DN 50*4	DN 65	187.08	311.81	374.17
HFMBR IA D 15-56	56	840	3060	1360	2460	580.5	DN 65*2	DN 50*4	DN 65	201.47	335.79	402.95
HFMBR IA D 15-60	60	900	3260	1360	2460	617.5	DN 65*2	DN 50*4	DN 65	215.87	359.78	431.73