

MBR – MEMBRANE BIOREACTOR

HOLLOW FIBRE MEMBRANE

HFMBR – IB 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.

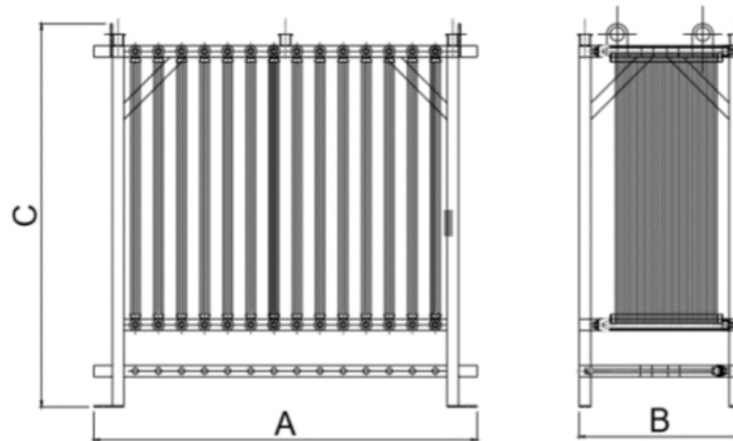


- Permanently hydrophilic
- High chlorine tolerance
- Backwashable Membrane
- High Packing Density



Product specification		
Effective membrane area	M2	15
Height	MM	1300
Thickness	MM	30
Length	MM	1250
Dry weight	Kg	10.5
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

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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 IB 15-2	2	30	400	1510	2060	266.6	DN 40	DN 40	DN 40	7	12	14
HFMBR IB 15-4	4	60	500	1510	2060	292.2	DN 40	DN 40	DN 40	14	24	29
HFMBR IB 15-6	6	90	600	1510	2060	317.8	DN 40	DN 40	DN 40	22	36	43
HFMBR IB 15-8	8	120	700	1510	2060	343.4	DN 40	DN 40	DN 40	29	48	58
HFMBR IB 15-10	10	150	800	1510	2060	369.0	DN 40	DN 40	DN 40	36	60	72
HFMBR IB 15-12	12	180	900	1510	2060	394.6	DN 50	DN 50	DN 50	43	72	86
HFMBR IB 15-14	14	210	1000	1510	2060	420.2	DN 50	DN 50	DN 50	50	84	101
HFMBR IB 15-16	16	240	1100	1510	2060	445.8	DN 50	DN 50	DN 50	58	96	115
HFMBR IB 15-18	18	270	1200	1510	2060	471.4	DN 50	DN 50	DN 50	65	108	130
HFMBR IB 15-20	20	300	1300	1510	2060	497.0	DN 50	DN 50	DN 50	72	120	144
HFMBR IB 15-22	22	330	1400	1510	2060	522.6	DN 65	DN 65	DN 80	79	132	158
HFMBR IB 15-24	24	360	1500	1510	2060	548.2	DN 65	DN 65	DN 80	86	144	173
HFMBR IB 15-26	26	390	1600	1510	2060	573.8	DN 65	DN 65	DN 80	94	156	187
HFMBR IB 15-28	28	420	1700	1510	2060	599.4	DN 65	DN 65	DN 80	101	168	201
HFMBR IB 15-30	30	450	1800	1510	2060	625.0	DN 65	DN 65	DN 80	108	180	216
HFMBR IB 15-32	32	480	1900	1510	2060	650.6	DN 80	DN 80	DN 80	115	192	230
HFMBR IB 15-34	34	510	2000	1510	2060	676.2	DN 80	DN 80	DN 80	122	204	245
HFMBR IB 15-36	36	540	2100	1510	2060	701.8	DN 80	DN 80	DN 80	130	216	259
HFMBR IB 15-38	38	570	2200	1510	2060	727.4	DN 80	DN 80	DN 80	137	228	273
HFMBR IB 15-40	40	600	2300	1510	2060	753.0	DN 80	DN 80	DN 80	144	240	288
HFMBR IB 15-42	42	630	2400	1510	2060	778.6	DN 80*2	DN 80*2	DN 80	151	252	302
HFMBR IB 15-44	44	660	2500	1510	2060	804.2	DN 80*2	DN 80*2	DN 80	158	264	317
HFMBR IB 15-46	46	690	2600	1510	2060	829.8	DN 80*2	DN 80*2	DN 80	165	276	331
HFMBR IB 15-48	48	720	2700	1510	2060	855.4	DN 80*2	DN 80*2	DN 80	173	288	345
HFMBR IB 15-50	50	750	2800	1510	2060	881.0	DN 80*2	DN 80*2	DN 80	180	300	360
HFMBR IB 15-52	52	780	2900	1510	2060	906.6	DN 80*2	DN 80*2	DN 80	187	312	374
HFMBR IB 15-54	54	810	3000	1510	2060	932.2	DN 80*2	DN 80*2	DN 80	194	324	389
HFMBR IB 15-56	56	840	3100	1510	2060	957.8	DN 80*2	DN 80*2	DN 80	201	336	403
HFMBR IB 15-58	58	870	3200	1510	2060	983.4	DN 80*2	DN 80*2	DN 80	209	348	417
HFMBR IB 15-60	60	900	3300	1510	2060	1009.0	DN 80*2	DN 80*2	DN 80	216	360	432