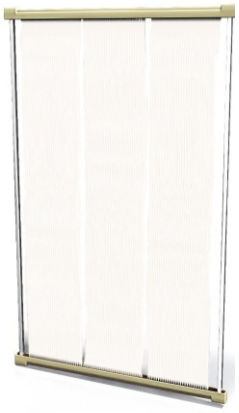
MBR – MEMBRANE BIOREACTOR

HOLLOW FIBRE MEMBRANE

HFMBR - IB 25

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	25
Height	MM	2000
Thickness	MM	30
Length	MM	1250
Dry weight	Kg	15
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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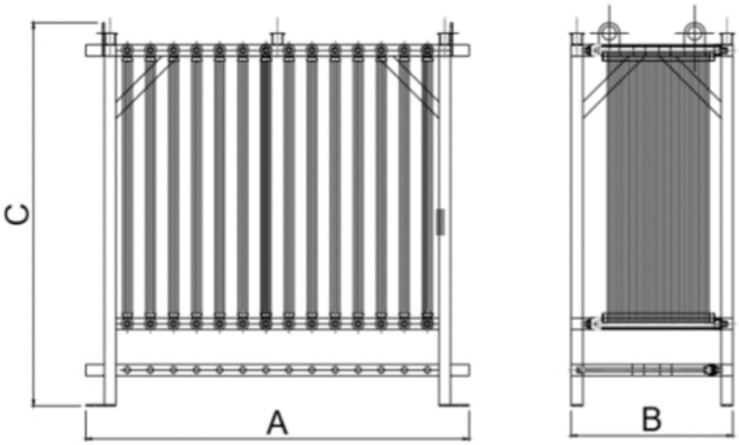

Model No.	No. of Cassettes	Membrane area M2	A LENGTH	B WIDTH	C HEIGHT	(Kg)Total wt. of module	Permeate nozzle	Air Nozzle	Guide pipe	Linear velocity (75 m/s) min.Aeration m3/hr	Linear velocity (125m/s) standard Aeration m3/hr	Linear velocity (150 m/s)max. Aeration m3/hr
HFMBR IB 25-2	2	50	400	1510	2760	295.6	DN 40	DN 40	DN 40	9.00	15.00	18.00
HFMBR IB 25-4	4	100	500	1510	2760	330.2	DN 40	DN 40	DN 40	18.00	30.00	36.00
HFMBR IB 25-6	6	150	600	1510	2760	364.8	DN 40	DN 40	DN 40	27.00	45.00	54.00
HFMBR IB 25-8	8	200	700	1510	2760	399.4	DN 40	DN 40	DN 40	36.00	60.00	72.00
HFMBR IB 25-10	10	250	800	1510	2760	434.0	DN 40	DN 40	DN 40	45.00	75.00	90.00
HFMBR IB 25-12	12	300	900	1510	2760	468.6	DN 50	DN 50	DN 50	54.00	90.00	108.00
HFMBR IB 25-14	14	350	1000	1510	2760	503.2	DN 50	DN 50	DN 50	63.00	105.00	126.00
HFMBR IB 25-16	16	400	1100	1510	2760	537.8	DN 50	DN 50	DN 50	72.00	120.00	144.00
HFMBR IB 25-18	18	450	1200	1510	2760	572.4	DN 50	DN 50	DN 50	81.00	135.00	162.00
HFMBR IB 25-20	20	500	1300	1510	2760	607.0	DN 50	DN 50	DN 50	90.00	150.00	180.00
HFMBR IB 25-22	22	550	1400	1510	2760	641.6	DN 65	DN 65	DN 80	99.00	165.00	198.00
HFMBR IB 25-24	24	600	1500	1510	2760	676.2	DN 65	DN 65	DN 80	108.00	180.00	216.00
HFMBR IB 25-26	26	650	1600	1510	2760	710.8	DN 65	DN 65	DN 80	117.00	195.00	234.00
HFMBR IB 25-28	28	700	1700	1510	2760	745.4	DN 65	DN 65	DN 80	126.00	210.00	252.00
HFMBR IB 25-30	30	750	1800	1510	2760	780.0	DN 65	DN 65	DN 80	135.00	225.00	270.00
HFMBR IB 25-32	32	800	1900	1510	2760	814.6	DN 80	DN 80	DN 80	144.00	240.00	288.00
HFMBR IB 25-34	34	850	2000	1510	2760	849.2	DN 80	DN 80	DN 80	153.00	255.00	306.00
HFMBR IB 25-36	36	900	2100	1510	2760	883.8	DN 80	DN 80	DN 80	162.00	270.00	324.00
HFMBR IB 25-38	38	950	2200	1510	2760	918.4	DN 80	DN 80	DN 80	171.00	285.00	342.00
HFMBR IB 25-40	40	1000	2300	1510	2760	953.0	DN 80	DN 80	DN 80	180.00	300.00	360.00
HFMBR IB 25-42	42	1050	2400	1510	2760	987.6	DN 80*2	DN 80*2	DN 80	189.00	315.00	378.00
HFMBR IB 25-44	44	1100	2500	1510	2760	1022.2	DN 80*2	DN 80*2	DN 80	198.00	330.00	396.00
HFMBR IB 25-46	46	1150	2600	1510	2760	1056.8	DN 80*2	DN 80*2	DN 80	207.00	345.00	414.00
HFMBR IB 25-48	48	1200	2700	1510	2760	1091.4	DN 80*2	DN 80*2	DN 80	216.00	360.00	432.00
HFMBR IB 25-50	50	1250	2800	1510	2760	1126.0	DN 80*2	DN 80*2	DN 80	225.00	375.00	450.00
HFMBR IB 25-52	52	1300	2900	1510	2760	1160.6	DN 80*2	DN 80*2	DN 80	234.00	390.00	468.00
HFMBR IB 25-54	54	1350	3000	1510	2760	1195.2	DN 80*2	DN 80*2	DN 80	243.00	405.00	486.00
HFMBR IB 25-56	56	1400	3100	1510	2760	1229.8	DN 80*2	DN 80*2	DN 80	252.00	420.00	504.00
HFMBR IB 25-58	58	1450	3200	1510	2760	1264.4	DN 80*2	DN 80*2	DN 80	261.00	435.00	522.00
HFMBR IB 25-60	60	1500	3300	1510	2760	1299.0	DN 80*2	DN 80*2	DN 80	270.00	450.00	540.00

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