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**BRO
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**PROTECT THE
MOST**

**VALUABLE
ELEMENT ON
EARTH.**

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FSMBR 05

**MODULE
FLAT SHEET MBR**



WEBSITE: WWW.IMEMFLO.COM



IMEMFLO FSMBR 05

imemflo FMBR PVDF Series, is a high-flux Flat Sheet MBR membrane delivering excellent permeability, fouling resistance, stability and elimination effectiveness.

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

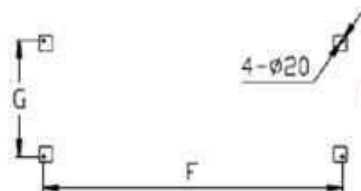
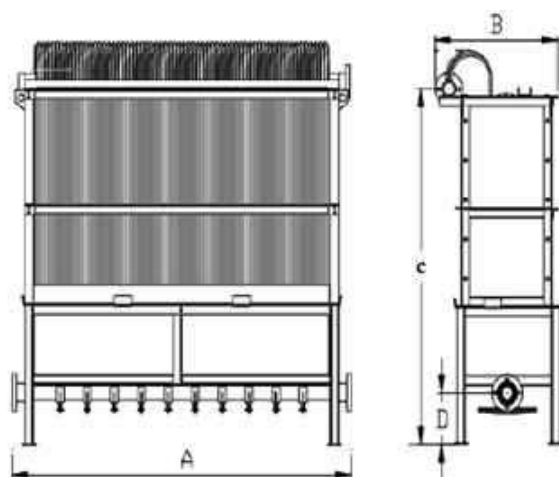
FMBR PVDF Series membranes can be used for a wide variety of treatment applications such as industrial and domestic wastewaters.

- Permanently hydrophilic
- High MLSS concentration
- High flux & low fouling
- High chlorine resistance



Product specification		
		0.5 M2
Model		FSMBR 05
Effective membrane area	M2	0.5
height	MM	640
width	MM	510
thickness	MM	13
Dry weight	Kg	1
Nominal pore size	µm	0.1
Membrane Material		PVDF
Plate material		ABS
Air requirement	M3/Hr/Plate	≥0.48
Product performances		
Storage		Dry Storage
Design Flux	LMH	15-34 LMH
MLSS	PPM	7000 -18000
Operation Specification		
Operating Temperature	°c	5 -40 C
DO Concentration	PPM	>1
pH Range		06-09 ph
Operating Trans. Pressure	Mbar	50-200
Operating mode(permeate/relaxation)	Min	08-02 Min
Max press drop	Mbar	350

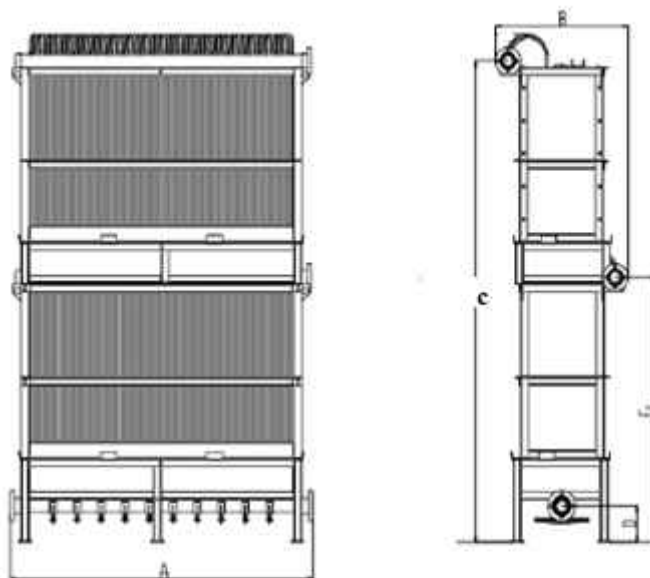
FSMBR 05 Single Deck



NOTE: Aeration pipe flange DN65
Water collection pipe DN50

Model No.	No. of Cassettes	Membrane area(m ²)	A (mm) Length	B (mm) width	C Standard height (mm)	Air Flowrate (l/min)
FSMBR 05-25	25	12.5	435	600	1300	125
FSMBR 05-50	50	25	750	600	1300	250
FSMBR 05-75	75	37.5	1065	600	1300	375
FSMBR 05-100	100	50	1380	600	1300	500
FSMBR 05-125	125	62.5	1695	600	1300	625
FSMBR 05-150	150	75	2090	600	1300	750
FSMBR 05-175	175	87.5	2405	600	1300	875
FSMBR 05-200	200	100	2720	600	1300	1000
FSMBR 05-225	225	112.5	3035	600	1300	1125
FSMBR 05-250	250	125	3350	600	1300	1250

FSMBR 05 Double Deck



NOTE: Aeration pipe flange DN65
Water collection pipe DN50

Model no.	No. of Cassettes In one deck	Total cassettes	Membrane area(m ²)	A (mm) Length	B (mm) width	C Standard height (mm)	Air Flowrate (l/min)
FSMBR 05 - 25 - 2	25	50	25	435	600	2000	200
FSMBR 05 - 50 - 2	50	100	50	750	600	2000	400
FSMBR 05 - 75 - 2	75	150	75	1065	600	2000	600
FSMBR 05 - 100 - 2	100	200	100	1380	600	2000	800
FSMBR 05 - 125 - 2	125	250	125	1695	600	2000	1000
FSMBR 05 - 150 - 2	150	300	150	2010	600	2000	1200
FSMBR 05 - 175 - 2	175	350	175	2325	600	2000	1400
FSMBR 05 - 200 - 2	200	400	200	2640	600	2000	1600
FSMBR 05 - 225 - 2	225	450	225	2955	600	2000	1800
FSMBR 05 - 250 - 2	250	500	250	3270	600	2000	2000



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