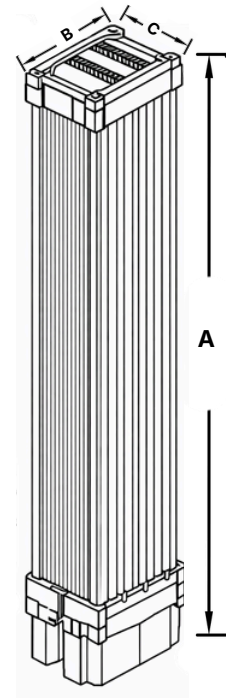


SPERTA FrameX™

MBR Membrane Module

Membrane Dimensions

Product	Hight (A) ¹	Length (B)	Width (C)
SP-MBR-FX-28	1,780 mm	277 mm	217 mm
SP-MBR-FX-14	1,300 mm		
SP-MBR-FX-10	1,000 mm		



Membrane Parameters

Parameter	SP-MBR-FX-28	SP-MBR-FX-14	SP-MBR-FX-10
Nominal Surface Area (m ²) ²	10	14	28
Nominal Pore Size (µm)	0.03		
Fiber OD/ID (mm)	2.0 / 0.9		
Fiber Material	Reinforced PVDF		
Supporting Tube Material ³	Stainless Steel 316L		
Header Material	ABS		
Fiber Structure	Hollow Fiber		
Surface Properties	Hydrophilic (non-ionic)		
Filtation Flow Path	Outside-In		
Domestic WW (m ³ /d) ⁴	10	5	3.6
Industrial WW (m ³ /d) ⁵	7	3.5	2.4
Typical Air Demand (Nm ³ /h)	5.88	2.94	2.1

¹ Membrane Height can be customized base on different tank design and project requirements

² For customized membrane area, please contact SPERTA for further details

³ Standard supporting material is SS316L. Alternative materials such as SS2205 or titanium are available upon request.

⁴⁵ Capacity values are indicative and may vary depending on influent water quality, system design, and operating conditions.