

FIBREPlate™

MEMBRANE BIOREACTOR SYSTEM

HYBRID-MEMBRANE TECHNOLOGY



A module consists of multiple membrane plates



MEMBRANE PROPERTIES

	FPM500	FPM400
Normal Membrane Surface Area	500 ft ² (46.4 m ²)	400 ft ² (37.2 m ²)
Module Height	29.8" (757 mm)	29.8" (757 mm)
Module Width	2.4" (61 mm)	2.4" (61 mm)
Module Length	73.6" (1870 mm)	60.7" (1542 mm)
Membrane Type	PVDF	PVDF
Nominal Pore Size	0.04 micron	0.04 micron
Flow Path	Outside-In	Outside-In

OPERATING SPECIFICATIONS

	FPM500	FPM400
Typical Operating Flux	15 gfd (25.5 lmh)	15 gfd (25.5 lmh)
Flow Rate Per Module	5.2 gpm (1.18 m ³ /h)	4.16 gpm (0.95 m ³ /h)
Maximum Permeation Transmembrane Pressure (TMP)	10 psig (69 KPa)	10 psig (69 KPa)
Typical Operating Pressure	2.5 psig (17 KPa)	2.5 psig (17 KPa)
Maximum Operating Temperature	40°C	40°C
Operating pH Range	4 to 10	4 to 10
Typical Back Pulse (TMP)	1.5 psig (10 KPa)	1.5 psig (10 KPa)
Maximum Back Pulse (TMP)	4 psig (28 KPa)	4 psig (28 KPa)

CLEANING SPECIFICATIONS

	FPM500	FPM400
Maximum NaOCl Exposure	2 000 000 ppm/h	2 000 000 ppm/h
Maximum Concentration for NaOCl	2 000 ppm	2 000 ppm
Cleaning pH Range	2 to 11	2 to 11
Maximum Cleaning Temperature	40°C	40°C

FibrePlate™ membranes are manufactured by Fibracast Inc., a global leader in the research development and production of advanced membrane technologies for water and wastewater treatment.



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