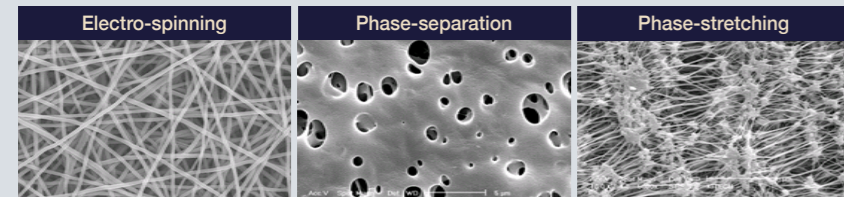


01

ELECTRO-SPINNING MEMBRANE

AMO's new electro-spinning technology can make 3D structure flat sheet membrane. This advanced membrane have higher porosity rate and narrow pore size distribution. Also, it shows very specific surface area and high tensile strength.



02

HIGHER FLUX

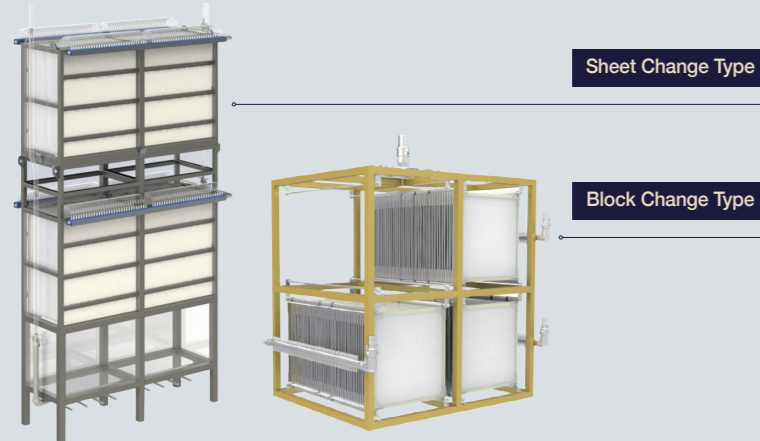
AMO's membrane shows 2~5 times higher operation flux than conventional. It has 3D net type pore structure and water contact angle is less than 25°. Also the module is made by 3-layer patent technology and this module have so many water flow channels.

	AMO membrane	Conventional A	Conventional B
Contact angle & Pure water flux			
Contact angle	23°	58.3°	64.9°
Pure water flux	4,029LMH	1,876LMH	1,078LMH

03

PERMANENTLY HYDROPHILIC & EASY MAINTENANCE

AMO's membrane do not need additional hydrophilic treatment in the site. And it can use permanently even though it will be dried. AMO's module do not use plastic frame, so the weight is very light. This advantage help user for easy maintenance.



ASM SERIES

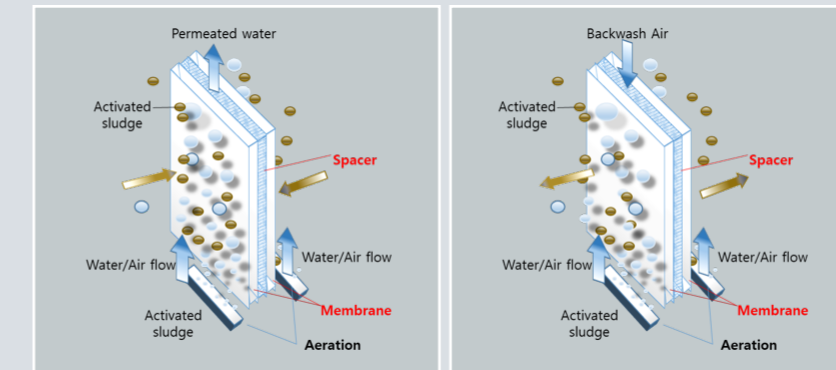
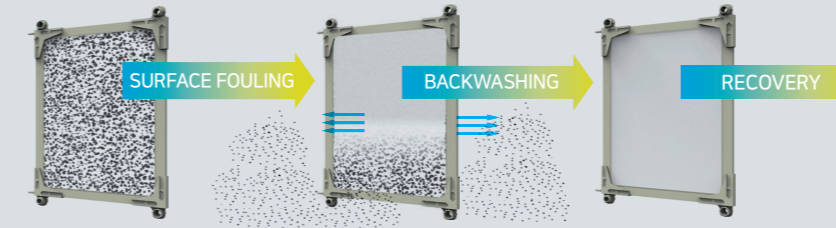
Innovative membrane system for municipal and industrial water & wastewater treatment



04

INNOVATIVE AIR BACK-WASHING PROCESS

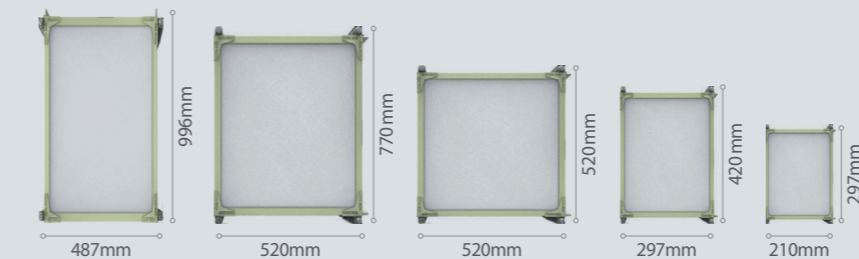
AMO's new membrane technology can realize air back-washing process in flat sheet membrane without treated water loss. This process protect membrane fouling and this advantage give user for almost 2~4 times longer cleaning terms.



05

CUSTOMIZATION

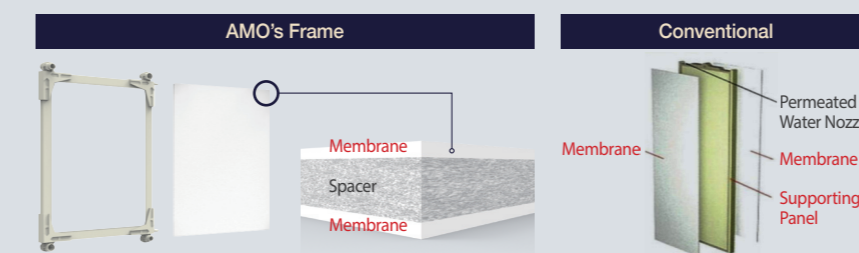
AMO's membrane module do not use plastic frame and make any size skid(rack) according to the customer's requirement. It's very useful for replacement site.



06

ULTRA-LIGHT FRAME

AMO's membrane module use specific substrate between the membrane without heavy plastic frame. It's very easy for handling and maintenance.



SPECIFICATION

Unit Type	Total Membrane Area(m ²)	Nominal Dimensions(mm)			Weight [dry] (kg)	
		HEIGHT	WIDTH	LENGTH		
ASM1	50	40	1,600	600	800	145
	75	60	1,800	600	1,200	185
	100	80	1,800	600	1,500	220
	125	100	1,800	600	1,800	255
ASM2	150	120	1,800	600	2,200	290
	200	160	3,400	600	1,500	410
	300	240	3,400	600	2,200	560
	400	320	3,400	600	3,000	680

FEATURE

Subject	AMO	Conventional Flat Sheet	Conventional Hollow Fiber
MLSS range	> 18g/L	> 12g/L	> 12g/L
Pore size	0.2/0.3/0.4μm	0.1 ~ 0.4μm	0.1 ~ 0.03μm
Additional Hydrophilic treatment	X	O	O
Back-washing	O (by Air)	X	O (by treated water)
Pre-Screen	2mm	2mm	0.5~0.75mm
Sludge accumulation	X	O	O
Membrane torsion	X	X	O
Module corner Clogging	X	O	O
Module dead space	X	O	O
Size customization	O	X	X

AMO GROUP

Amo Group was established in 1994 and have been growing-up basis on advanced core material and device for IT, Mobile and Automobile applications.

Also, AMO is now expanding the business field to IT, Energy, Environment and Bio.

We will provide innovated 'World First' and 'World Best' product and solutions for our customers continuously.



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